Volume 163 No. 7

Oil, Paint and Drug Reporter

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Q. *For what kinds of products is Roche thiamine hydrochloride, Regular Type, intended?*

A. It is ideally suited for oral products, such as tablets, capsules, dry and liquid nutritive supplements and multivitamin preparations.

Q. *When should Roche thiamine mononitrate be used?*

A. When unusual stability problems occur in dry cereal or pharmaceutical products which are exposed to high humidity conditions in storage. It also may have advantages in certain pharmaceutical products where the pH range is above the safe level for the hydrochloride.

Q. *What about Roche thiamine hydrochloride, Ampul Type?*

A. This original Roche development is specially prepared for use in manufacturing parenteral solutions.

Q. *Can I be sure of a steady supply of Roche thiamine products?*

A. You can. Roche thiamine, always of superb quality, is made by the tons. Roche specializes in the development of vitamins and their manufacture, so you can be assured of a steady supply.

Q. *How are the Roche thiamine products packed?*

A. Roche thiamine hydrochloride, Regular Type, is packed in polyethylene bags in 1 to 25 Kg. drums. Smaller quantities in amber, screw cap bottles.

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OPS Effects Sweeping Price Decontrol Move

Price controls were removed February 13 by the Office of Price Stabilization from a wide range of commodities and services, including a number of end products of the chemical and allied industries. The decontrol order was the second to be issued by OPS in carrying out the directive of the President for early abandonment of price control.

Items affected by the order represent 15 percent of the wholesale price index weights assigned to commodities in the Bureau of Labor Statistics wholesale price index. Manufacturers, wholesalers and retailers covered by the order need not make or keep records on future transactions, OPS explained, but must keep available for inspection whatever past records were required by the regulations under which they had been operating.

Among the commodities decontrolled were:—Crude rubber, tires, and all rubber products; all scrap and secondary metals; soaps, cleaners and detergents; lead, zinc, tin and most minor metals and minerals; paints, varnishes and lacquers; fats and oils, except oleomargarine; petroleum, gas and products, except No. 2 heating oil; collapsible tubes; metal cap closures; window glass; glass containers.

Effect of Move Detailed

OPS explained in greater detail that the decontrol action affects the following:—

All sales of collapsible tubes, including fabricated aluminum, tin, lead and tin-lead alloy collapsible tubes, and the service of converting tin, lead and tin-lead alloy into collapsible tubes. These items are covered by CPR 178.

All sales of paints, mixed and ready for use or in a dry or paste form; varnishes, including spirit varnishes, but not including shellac gum; lacquers and lacquer thinner; fillers, putty and caulking compounds; paint and varnish removers; waterproofing compounds except metallic compounds, but including roof coatings

—Continued on page 78

Tidelands Hearings Slated

The house judiciary committee announced last week that hearings would be held, starting tomorrow, on legislation to vest title to the so-called tidelands in the states. Attorney General Herbert Brownell is scheduled to be the first witness. The interior committee of the senate previously had announced that it plans to open its hearings on similar legislation beginning today. The committee said it hopes to complete the hearings in two weeks. Tidelands legislation has been placed on the "must" list by the administration for action this session.

Tungsten Chemical Use Curbs Continue in Force

To correct a misunderstanding reported prevalent among certain consumers who have been told there are no prohibitions on the use of pure tungsten and tungsten chemicals, the National Production Authority last week pointed out to the industry that use restrictions contained in NPA order M-81 are still in effect.

Frederick F. Franklin, assistant director of the NPA steel division in charge of the ferro alloys branch, said, however, that exemptions to the prohibitions contained in the order will be considered on an individual basis, as provided in section 7. Mr. Franklin said that apparently the misunderstanding grew out of an amendment to M-81 issued last September by which allocation control was eliminated.

Sulphuryl Chloride Under New Shipping Regulations

The addition of sulphuryl chloride to the list of explosives and other dangerous articles which must meet certain shipping specifications when transported by rail express was announced last week by the Interstate Commerce Commission.

In an amendment to its regulations covering the transportation of explosives and other dangerous articles, the ICC classified sulphuryl chloride as a corrosive liquid which requires a white label and may be shipped by rail express in quantities not exceeding one quart in a single outside container.

A number of other changes also were included in the same order amending regulations, having to do with the requirements for calcium hypochlorite compounds, cyanide of calcium, cyclopropane, lithium hypochlorite compounds, and sodium sulphide. The changes are contained in order 9 of docket 3666.

Defense Post to Austin

Dr. James B. Austin, director of research and chief of the United States Steel Company's research laboratory at Kearny, N. J., has been appointed chairman of the committee on chemical warfare of the Department of Defense Research and Development Board. He succeeds Dr. Randolph T. Major, vice-president and scientific director of Merck & Co., Rahway, N. J. Dr. Austin has served with the committee since 1948.

TVA Fertilizer Distribution Policy Investigation Needed, House Told

Rep. E. C. Gathings of Arkansas, a ranking Democratic member of the house committee on agriculture, last week called for an investigation by the committee into the policies and practices of the Tennessee Valley Authority in the distribution of its fertilizers. He said also that fertilizer labels should be required to show the type of nitrogen used in the product.

Mr. Gathings told the house that in view of the government's urgings that fertilizers be used in an increasing amount by the farmers in meeting production goals under the defense program, steps should be taken to bring about a wider distribution of the TVA fertilizers so that greater numbers of farmers can benefit from the TVA program.

Because of the decline in cotton prices, he declared, "our farmers will be unable to pay the exorbitantly excessive price of $100 to $110 a ton for ammonium nitrate during the current 1953 crop years." He added that with cotton selling at 40 cents a pound in the early part of the 1952 harvest, farmers had a difficult time paying their obligations, and many now are resorting to disaster loans to continue their farming operations.

TVA's Limited Distribution Cited

"Tennesse Valley Authority manufactures ammonium nitrate fertilizer for distribution in a limited area, largely to cooperatives, at a price of $65 per ton," the congressman stated. "The TVA distributes its products through chosen outlets. Some of these distributors have goodly stocks on hand but can only sell the fertilizer to those having a pasture permit.

"These distributors have large sums of money invested in inventory stocks and cannot sell to the row crop farmers who are producing the food and fiber crops who do not have the required pasture permit. There could be no plausible reason why TVA should confine its sales of plant food to pasture usages only. It is as essential to the well-being of the nation to grow row crops as it is to overdo pasture land and cattle raising. Production of commodities on row crop farming is just as necessary to the economy as is cattle raising or some other phase of agriculture.

One Area Seen Favored

"The TVA is supported by taxpayers, and the distribution of its products should not be limited to any one segment of our farm population and a few selected individuals who are manufacturers of fertilizer. The experiments and educational program which is being conducted by TVA should not be confined to an immediate territory or area. The outlets now

—Continued on page 83

Nat'l Research Council Endorses Pretesting of Chemical Pesticides

The food protection committee of the National Research Council last week joined forces with those demanding the pretesting of chemical pesticides before they are placed in marketing channels, and announced a schedule of analytical procedures that should be followed in evaluating these products.

In a statement of the "basic considerations in the development and marketing of a new agricultural pesticide intended for use in connection with food production," the committee called for the clear establishment of the performance and safety records of pesticides before they are offered for commercial use.

These tests, the committee said, should be as complete as possible as to the chemical and physical properties of the product, its biology or use, and its toxicity in order to determine the degree of hazard involved. The evaluation procedures outlined in the statement were offered as "both practical and adequate requirements for premarketing evaluation of a new agricultural pesticide."

Statement Part of Series of Studies

The committee's statement was made public by the council as part of a series of studies now being made by the food committee on the broad question of controlling the use of chemical additives in the production and processing of foods. It coincided with a meeting held earlier in the week by Rep. A. L. Miller of Nebraska, with a group of food and chemical industry representatives on legislation to require the pretesting of new chemicals used in foods.

Mr. Miller called the meeting to obtain from industry some suggestions on what should be included in the legislation. He was a member of the so-called Delaney committee that conducted a two-year investigation on chemicals in foods, and last year he sponsored the bill drawn up by the Food and Drug Administration to apply the principles of the new drugs section of the food, drugs and cosmetic act to the use of chemicals in foods.

At the outset of the meeting, Mr. Miller said he thought it would not be practicable to cover the whole problem of chemical additives in a single bill, and that he planned to sponsor three measures—one dealing with foods, another with cosmetics, and the third related to pesticides. He added that he felt that the legislation should be based upon these principles:—

Miller Cites Principles

1. That the problem of controlling the use of chemicals in foods should be approached from the angle of protection of public health. He said he knew that some people believed it should also be con-

—Continued on page 82

Poisons Shipping Details Issued by Agriculture Dept.

The Department of Agriculture has issued detailed instructions, effective immediately, for applicants requesting permits to ship economic poisons for experimental work. The instructions are based on a recent revision in the regulations for the enforcement of the federal insectcide, fungicide, and rodenticide act, which was announced on December 18 (OPD, 12/22/52).

The instructions provide more detailed information of the steps that shippers of economic poisons under these permits should take to avoid hazards. If the experiments involve use on food or feed, the food or feed must not be consumed except by experimental animals or there must be convincing evidence that the proposed use is safe. A statement of the principal ingredients is required on labels of economic poisons under permit for experimental purposes if they are sold. The detailed instructions which appear as an amended interpretation 13 of the regulations for the enforcement of the federal insecticide act were in the February 11 issue of the *Federal Register*. A copy of the instructions may be obtained from the insecticide division of the Production and Marketing Administration of the Department of Agriculture, Washington 25, D. C.

Platinum, Tungsten Scrap Head MSA Authorized List

The Mutual Security Agency has announced that it has granted authorizations to the Federal Republic of Germany for the purchase of platinum and tungsten scrap from the United States at a value of $550,000 and has granted the government of The Netherlands authorization for the purchase of up to $500,000 worth of chemical preparations from the United States and Canada.

The authorization to Germany is for platinum for industrial use and by-products, valued at $450,000, and for tungsten scrap in ingots, valued at $100,000. The content of the tungsten scrap is to be:—Tungsten, 6.62 percent; chromium, 1.75 percent; molybdenum, 0.05 percent; sulphur, 0.02 percent; carbon, 3.40 percent; manganese, 0.55 percent; silicon, 1.00 percent; phosphorus, 0.04 percent, and the balance iron.

The Netherlands' authorization is for:—Amine, $25,000; borium combinations, $25,000; polyethylene, $50,000; fertilizers, $45,000; carbon black, $70,000; scents, $15,000; "Saran," $50,000 dysestuffs, $5,000; polystyrene, $15,000; "Pentapheen," $50,000, and miscellaneous items, $150,000.

Price Supports for Metals Proposed by Sen. Johnson

Legislation that would apply the same principles of price support of agricultural commodities to the metals mining industry was introduced in the senate last week by Sen. Edwin C. Johnson of Colorado.

Sen. Johnson proposed in S. 869 that a Metals Credit Corporation be established with authority to purchase metal ores of domestic origin at not less than the cost of production, stockpile the ores for national emergency use, or sell them to fabricators at not less than their purchase price.

The senator said that the corporation would operate the same way that the Commodity Credit Corporation does in the case of farm products. He explained that the CCC has stabilized farm prices by purchases and storage operations and that the only losses have been in the storage of such perishables as eggs, butter, cheese and potatoes.

Copper Duty Suspension Bill Up for Eisenhower Signature

The senate passed the copper duty suspension bill, H.R. 568, last week and sent it to the White House where it was scheduled to be signed into law before the present suspension expired at midnight February 15. The 2-cents-per-pound duty on imported copper has been held in abeyance since April, 1947, in order to encourage imports, and H.R. 568 continues these suspensions until June 30, 1954.

During debate on the bill, the policy of the Office of Price Stabilization of ceiling the price of domestic copper at 24½ cents per pound, while imported copper is selling at 36½ cents a pound, was vigorously attacked by senators from the mining states. In view of the great discrepancy in the price, it was added, the 2-cents-per-pound duty becomes of minor importance to either the domestic producers or copper consumers.

Manganese Ore Research Project Broadened by US

A government-aided research project aimed at developing economical methods of extracting manganese from low-grade domestic ores has been broadened to include research on Aroostook manganese ores from Maine, the Defense Materials Procurement Agency announced last week.

Under an amendment to DMPA's contract with the Southwestern Engineering Company, Los Angeles, which will conduct the project, Aroostook ores are now specifically included, as well as so-called "wad" ores from Virginia and Arkansas. The contract was announced last October and runs to April 21, 1954, unless terminated earlier by the government.

US Standby Controls Policy Under Review

A reexamination of the economic situation with the view to firming up administration policy and thinking on the need for standby price and wage control authority was started last week with the appointment of James F. Brownlee, New York investment banker, as a special assistant to the director of the Office of Defense Mobilization.

Mr. Brownlee assisted in the establishment of the price and wage control programs just following the Korean crisis in 1950, and it is understood that he has returned to Washington to review the present program of decontrolling prices and the necessity for standby authority to restore ceilings in an event of an emergency.

The question of standby controls has become an issue in congress between the chairman of the senate and the house banking committees which have jurisdiction over this legisltation. In his message on the State of the Union February 2, President Eisenhower indicated he did not believe there was any need for standby controls.

Sen. Homer Capehart of Indiana, chairman of the senate banking committee, has introduced a standby control bill, however, and has announced that hearings will be held on the measure, beginning February 24. They had been scheduled to start tomorrow, but Mr. Capehart postponed them to allow more time for study of the question by the administration.

Under existing law, the authority to control prices and wages expires automatically at midnight April 30. Mr. Capehart's bill does not contemplate any extension of this expiration date, but provides that the President can reimpose the controls in event they become necessary without further action of Congress.

Rep. Jesse Walcott of Michigan, chairman of the house banking committee, who is opposed to standby authority, said that he has no plans for holding hearings by his committee on control legislation until after the senate has acted on a bill.

Upjohn Co. Team Discovers New Compound F Process

Discovery of a new fermentation process for making compound F has been announced by a team of nine chemists of The Upjohn Company, Kalamazoo, Mich. The basic raw material used in the new process is the hormone progesterone, which can be prepared from animal or vegetable sources in virtually unlimited quantities. Compound F is now made by another method using desoxycholic acid as the starting material. Production of the drug by this method has been dependent upon the availability of relatively scarce cattle bile component, which also is used in the manufacture of cortisone.

The new "microbiological" synthesis of compound F is similar to the fermentation method for making cortisone reported by Upjohn researchers last April. The key to both processes is a mold of the type commonly associated with bread mold. The Upjohn cortisone method also uses progesterone as a starting material.

DuPont Suit Now Minus 36 Additional Defendants

Judge Walter J. LaBuy of Chicago federal district court last week dismissed thirty-six duPont family defendants "without prejudice" from the duPont antitrust trial. The mass dismissal was on the government's terms, since the term "without prejudice" means that the family members dropped from the present suit will remain subject to future action. Judge LaBuy also overruled a defense motion to strike twenty-six more duPonts and a trust company from the list.

Copper World Quotas Ended

World allocations of copper were discontinued February 15 by the International Materials Conference. The agency said that following a review of the supply and demand position of copper, member governments concluded that allocation of the primary metal was no longer necessary. Another review of the situation will be made at the close of the first quarter in March.

NARD to Meet in Chicago

The fifty-fifth annual convention of the National Association of Retail Druggists will be held in Chicago October 11 through 15, it was decided at a recent meeting of the excutive committee.

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OIT Blanket Licenses May Cover Everything but Rice

The blanket license procedure, under which one export license may be used to ship a commodity to two or more consignees in the same country, has been extended to include all items on the positive list except rice, the Office of International Trade announced February 12.

The purpose of blanket licenses is to enable exporters to cover a number of orders with one license under certain circumstances instead of requiring them to obtain a separate license for each order. Extending the use of this procedure will simplify dealings of exporters with OIT, officials said.

The agency said that if it found that processing blanket license applications will require an extended period of time because of the necessity for prolonged consideration of one or more of the proposed ultimate consignees, a blanket license will be issued excluding such consignee or consignees. By this method, undue delay will be avoided in processing the applications. OIT in such instances will notify the applicant that an individual license application may be submitted to cover each excluded consignee.

Colgate Top Executive Posts to Little, McConnell

Election of Edward H. Little as chairman of the board of the Colgate-Palmolive-Peet Company, Jersey City, N. J., and Joseph H. McConnell as president was announced last week. Mr. McConnell was also elected to the company's board of directors and executive committee. James A. Reilly, executive vice-president in charge of soap sales, was elected a director.

Mr. Little has been president of the company and chairman of the executive committee since 1938. Mr. McConnell had been president of the National Broadcasting Company for more than three years prior to his resignation in December, 1952.

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Food Machinery Elects Vernon, Names Crewson

Food Machinery & Chemical Corporation, San Jose, Calif., has elected Jackson V. Vernon a vice-president of the concern. George G. Crewson has been named technical consultant to the administrative staff of the FMC chemical divisions, which include Buffalo Electro-Chemical Company, Niagara Chemical Division, Ohio-Apex, Inc., and Westvaco Chemical Division.

Mr. Vernon is head of FMC's Niagara Chemical Division. He has been associated with the division since 1923 and, prior to his present post, was sales manager of the operation. Last year Mr. Vernon was placed in charge of Niagara Chemical succeeding Ernest Hart who became executive vice-president of FMC in charge of chemical divisions. Technical consultant in the office of the Chief of Chemical Warfare Service at Washington during World War II, Mr. Crewson has for the past ten years been director of engineering for Buffalo Electro-Chemical, which post he will continue to hold in addition to his new consultative duties.

Controlled Materials Plan Will Terminate June 30

The Office of Defense Mobilization announced February 13 that allocations of steel, cooper and aluminum will be ended June 30. At the same time, it was stated that production of the three basic metals in excess of defense and authorized civilian requirements can be sold on the open market immediately.

The action amounted to a virtual end of the Controlled Materials Plan and means that beginning July 1 it will no longer be necessary for users of the basic metals to have allocation tickets, except in the case of defense and atomic energy requirements. The government will continue to direct the channeling of the metal requirements to these areas of consumption.

Price Index Dips Lower

The overall OPD price index declined 0.09 point last week. The markets most influential in bringing about the drop were the oils, fats and waxes and botanical markets. The bulk of price changes in the former were reductions and included copra, soybean meal, carnauba and ouricury waxes in addition to crude cottonseed and coconut oils. Lard, as well as olive and tung oils were advanced in this market.

In the botanical market, reductions included dandelion root, powdered papain, as well as tolu and Peru balsam. Among items advanced were ergot, NF, whole ipecac root, American wormseed and Florentine orris root. The essential oils market was somewhat weaker with reductions in benzyl formate, carvol, and USP, Chinese Star anise. USP spearmint and Florida expressed orange oil were advanced.

Dried blood and tankage were reduced in the agricultural chemicals market. Price changes in the drugs and fine chemicals market were all reductions. Ethyl and methyl acrylate plus USP zinc oxide were down. Changes in the coal chemicals section included a reduction in imported crude naphthalene and advances in crude coaltar and crude coaltar creosote.

The protective coatings materials market featured a downward trend, with reductions in lead pigments, Argentine casein and zinc oxides. The textile and leather chemicals, petroleum derivatives and heavy chemicals market were without change, pricewise.

Except for thirty-seven changes in botanicals listed on page 65, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Coaltar, resale, crude, tanks, 1.4c. per gal. (52).
refined, tanks, 1½c. per gal.
Creosote, coaltar, crude, tanks, 2c. per gal. (52).
solut. 80°c, tanks, 1.88c. per gal.
refined, tanks, 2.7c. per gal.
Lard, ½c. per lb. (76).
Oil, lavender flowers, USP, French, 30-32% ester, 20c. per lb. (67).
spike, Spanish, 35c. per lb.
Olive, 10c. per gal. (76).
Orange, exp., Florida, 15c. per lb. (67).
Spearmint, USP, 5c. per lb. (67).
Tung, ⅛ to ¼c. per lb. (76).

Prices Reduced

Benzyl formate, 30c. per lb. (67).
Blood, dried, 10c. per unit of ammonia, New York (47).
Chicago, 50c. per unit of ammonia.
Carvol, $1.50 per lb. (67).
Casein, Argentine, ½c. per lb. (71).
Copra, $15 per ton (76).
Ethyl acrylate, 6c. per lb. (57).
Grease, choice white, ¼c. per lb. (76).
Lead, blue, basic sulphate, ¾c. per lb. (71).
White, basic carbonate, 1¼c. per lb. (71).
basic salicate, ½c. to 1¼c. per lb.
basic sulphate, ¾c. per lb.
Methyl acrylate, 7c. per lb. (57).
Naphthalene, crude, imp., 1/10c. per lb. (52).
Oil, anise, USP, Chinese Star, 35c. per lb. (67).
Castor, No. 1 Brazilian, ½c. per lb. (76).
Coconut, crude, Pac. coast, 1¼c. per lb. (76).
N. Y., 1c. per lb.
Cottonseed, crude, ½c. per lb. (76).
ref., ½c. per lb.
Oleo, ½c. per lb. (76).
Orange, exp., California, 5c. per lb. (67).
Soybean meal, $1 per ton (76).
Tallow, extra, ½c. per lb. (76).
fancy, ½c. per lb.
special, ½c. per lb.
Tankage, 50c. per unit of ammonia, New York (47).
Chicago, 25c. per unit of ammonia.
Wax, carnauba, No. 3, ref., 2c. to 3c. per lb. (76).
Ouricury, 3c. per lb. (76).
Zinc oxide, lead-free, ¼c. per lb. (71).
35% leaded, 0.45c. per lb.
50% leaded, ½c. per lb.
French process, com'l green seal, ¼c. per lb.
red seal, ¼c. per lb.
white seal, ½c. per lb.
USP, ¼c. per lb. (57).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

February 13, 1953	February 6, 1953	February 15, 1952
107.90	107.99*	113.02

*Revised.

Continental Oil Buys Bryton Chemical Plant

Continental Oil Company, Ponca City, Okla., has purchased the plant and manufacturing facilities of the Bryton Chemical Company, Trainer, Pa., about twenty miles southwest of Philadelphia, it was announced Saturday in Ponca City by Harold G. Osborn, vice-president in charge of manufacturing.

Bryton was one of the first producers of synthetic oil-soluble sulphonates for use in industry. E. W. Carlson, Robert L. Anderson and Vernon F. Beyer, the founders of Bryton Chemical, will continue under Continental's ownership to manage the plant and sell the plant's line of chemical products under the Bryton name, Mr. Osborn said.

Forest Products Group Parley Opens June 15

The Forest Products Research Society will hold its seventh national annual meeting June 15 through 17 in Memphis, Tenn. Of particular interest to the chemical industry will be session 2, for which the theme will be Glues and Gluing; session 3 on Chemical Utilization, session 4 on Containers and Protective Packing Materials, section 5 on Wood Finishing, and session 8 on general topics.

The following papers will be presented at the session on Glues and Gluing:—"Making the Glue Work," by Relph Casselman, Paine Lumber Company, Oshkosh, Wisc.; "Gluing of Preservative Treated Oak for Severe Service Conditions," by John Kuenzel, Bureau of Ships, Washington, D. C., and N. V. Poletika and H. B. McKean, Timber Engineering Company, Washington; "Technics for Gluing Metal and Plastics to Wood," by Jac Tigelaar, Haskelite Company, Grand Rapids, Mich.; "Properties and Applications of Amino Resin Adhesives and Binders," by E. B. Detwiler, American Cyanamid Company, New York, and "Study of the Durability of Woodworking Glues in different types of Assembly Joints," by M. L. Selbo, chemical engineer, and W. Z. Olson, technologist, Forest Products Laboratory, Madison, Wis.

Papers on Chemical Utilization

The session on Chemical Utilization will feature these papers:—"Hardwood Pulping as A Utilization Tool—Some Recent Investigations," by John N. McGovern, division of pulp and paper of the Forest Products Laboratory at Madison; "Outlook for the Utilization of Mesquite," by E. D. Marshall, Lufkin, Tex.; "Wood in a Gulf Coast Chemical Plant," by V. B. Volkening, chemical engineer with the Dow Chemical Company in Freeport, Tex., and Some Experiments on the Chemical Utilization of Wood Waste," by Dr. H. Schwartz, superintendent of the Forest Products Laboratories, Ottawa.

The Containers and Protective Packing Materials session will hear the reading of the following papers:—"Development of

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9,10-Dihydroxystearic Acid Offered by Arnold, Hoffman

Arnold, Hoffman & Co., Providence, R. I., has announced the availability of 9,10-dihydroxystearic acid in research quantities.

The product is adaptable for use in esters for plasticizers or waxes, in soaps for detergents or greases, in amides, sulphated products, ethylene oxide condensates and chemical syntheses. It has a 175-180 acid number and iodine value of 6 maximum, a melting point of 80-85 degrees, and a mole percent hydroxyl of 165-175. Color ranges from white to pale tan. Arnold, Hoffman's research laboratories at Providence will supply further technical data and a sample on request.

Nat'l Aniline Drug Manager

Dr. Frank B. Pope has been named manager, pharmaceutical sales, National Aniline Division, Allied Chemical & Dye Corporation, New York. Until recently, Dr. Pope was attached to National Aniline's Chicago office in the sale of intermediates and pharmaceuticals throughout the midwest. He was formerly asscciated with Sharples Chemicals, Inc., and the chemical research department of B. F. Goodrich Company.

Propargyl Alcohol, Bromide Offered by General Aniline

Propargyl alcohol (2-popyn-1-ol) and propargyl bromide (1-bromopropyne) are now available in drum lots from General Aniline Film Corporation, New York, it has been announced by Dr. Jesse Werner, director of commercial development. These chemical intermediates are of special interest because of the reactive centers in the structure of each one. Both have a triple bond and an acetylenic methyne hydrogen. In addition propargyl alcohol also has a hydroxyl group while propargyl bromide has an active halide.

For technical information, price lists and samples, write to commercial development department, General Aniline & Film Corporation, 435 Hudson street, New York 14.

Sherwin-Williams Names Spitzer Development Head

H. E. Spitzer has been named director of development for the Sherwin-Williams Company, Cleveland, Ohio. In his new post, Mr. Spitzer will supervise all of the company's development laboratories, except the trade sales development section, which is headed up by S. F. Carlson in Cleveland. He will continue to headquarter in Chicago.

Sheffield Chemical Formed As Nat'l Dairy Subsidiary

E. E. Stewart, president of National Dairy Products Corporation, New York, last week announced the formation of Sheffield Chemical Company as a subsidiary of the corporation. This formalizes into a separate corporation work carried on previously as the chemical division of Sheffield Farms Company, National Dairy's Sealtest milk subsidiary which serves the metropolitan New York area.

President of the new concern is J. G. Brereton, who will also serve as treasurer. J. R. Borst has been named vice-president, while F. A. Baldauski has been made secretary. Mr. Borst will be Sheffield Chemical's production manager, and Mr. Baldauski will act as technical director. James D. Sheridan is sales manager.

J. G. Brereton

Sheffield Chemical, with headquarters at Norwich, N. Y., will make products for use by the chemical, pharmaceutical, food and other industries. The firm now distributes edible milk proteins and special dietary supplements; lactic acid, lactates and other organic acids; milk sugar; amino acids; bacterial nutrients used in producing antibiotics; food flavoring agents; stabilizers for latex-base paints, and protein derivatives used in making paper, rubber and adhesive products.

Sheffield Chemical maintains its own technical staff, and works closely with the central research laboratories of National Dairy.

Organic Chemicals Added To Distillation Products List

Ten new organic chemicals, including purified natural pulegone, have been announced by the Eastman organic chemicals department of Distillation Products Industries, a division of the Eastman Kodak Company, Rochester, N. Y.

The purified pulegone is a liquid of boiling point 95-98 degrees at a pressure of 12 millimeters, and is present in such essential oils as oil of pennyroyal and oil of peppermint. It has a characteristic odor and flavor somewhat reminiscent of peppermint oil, and can be converted into other mint-flavored materials. It is priced at $1.40 for twenty-five grams or $4.00 for 100 grams.

The complete list of new organic chemicals is as follows:—3-amino-1-propanol; 1,2,3,4-Butanetetracarboxylic acid; tertiary butylhydroquinone; meta-(Chlorosulfonyl) benzoic acid; N,N-Diethyl-1,3-propanediamine; 6,7-Dihydroxynaphthalene-2-sulfonic acid sodium salt; beta-Dimethylaminopropionitrile; 2-Methoxyethyl acetate; beta-methoxypropionitrile and pulegone.

Carbide Appoints Hughes, Fogle to Sales Positions

H. D. Hughes has been appointed general sales manager and E. E. Fogle, has been named sales manager of the industrial chemicals division of the Carbide & Carbon Chemicals Company, a division of the Union Carbide & Carbon Corporation, New York, it was announced last week.

The announcement also marked the return to the company of Mr. Fogle, who had been on a seven-month leave of absence as director of the rubber, chemicals, drugs and fuel division of the Office of Price Stabilization.

Both Mr. Hughes and Mr. Fogle are veteran chemical salesmen, Mr. Hughes having joined the sales department of Carbide & Carbon in 1928. Mr. Fogle joined Carbide & Carbon through its research fellowship at Mellon Institute, Pittsburgh, in 1930.

US Exporting Increase Aim of New Legislation

In a move to encourage greater exportation of American-made products, Sen. Burnett Maybank of South Carolina introduced a bill (S. 800) in the senate last week to insure these shipments against losses resulting either from war or expropriation. Such insurance is not now available from any private concern or government agency, the senator said.

"Much has been said recently of fostering a policy of trade, not aid," Sen. Maybank declared. "If enacted into law, the bill I am introducing would be one concrete step along the road to achieving that policy. It would give American citizens assurances that their entire investment in cargoes sent abroad would not be lost because of risk of war damage or expropriation, confiscation, or seizure, whether by the nation in which the cargo happens to be located or by any other nation."

At the present time, the Mutual Security Agency has authority to guarantee investments abroad against loss from expropriation or confiscation. The Maybank bill would carry this principle further to include the shipment of goods. The Export-Import Bank would be the insuring agency.

His bill was one of a number of interest to the chemical and allied industries which were introduced in the senate and house during the past week. Other bills were:—

Claims—H. R. 2681 by Rep. Hugh J. Addonizio of New Jersey to extend the time for filing claims for the return of property under the trading with the enemy act.

FDA—S. 835 by Sen. H. Alexander Smith of New Jersey restoring authority of the FDA to make factory inspections.

FDA—H. R. 2739 by Rep. Joseph P. O'Hara of Minnesota to amend subsection 403 (c) of the federal food, drug and cosmetic act, relating to misbranded foods.

FDA—H. R. 2769 by Rep. Charles Wolverton of New Jersey restoring authority of the FDA to make factory inspections.

Flammables—H. R. 2768 by Rep. Charles Wolverton of New Jersey prohibiting the interstate movement of articles of wearing apparel and fabrics which are so highly flammable as to be dangerous when worn by individuals.

Foreign trade—S. 849 by Sen. James Murray of Montana to set up a system for insuring small business against losses from foreign trade operations.

Gasification—H. R. 2836 by Rep. Carl Elliott of Alabama authorizing the construction and operation of facilities for experiments in underground gasification of coal and lignite, oil shale, and carbonaceous deposits to promote the national defense and increase the energy and chemical resources of the nation.

Metals—S. 869 by Sen. Adwin C. Johnson of Colorado to setablish a Metals Credit Corporation to purchase domestically produced ores at not less than the cost of production.

Minerals—S. 807 by Sen. Lester C. Hunt of Wyoming granting to the several states the mineral rights in public lands belonging to the United States.

Minerals—H. R. 2823 by Rep. Wayne N. Aspinall of Colorado to encourage the discovery development, and production of tungsten, manganese, chromite, mica, as-

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Soil Conditioner, Called 'Flotal,' Offered by Stauffer

The Stauffer Chemical Company is offering a new soil conditioner called "Flotal." Developed and field tested by Rumianca Societa Per Azioni, Turin, Italy, the new product is derived from a ferric ammonium organic complex. It is currently undergoing tests by university and government laboratories, and by Stauffer's own research staff in this country. "Flotal" is being manufactured and distributed initially in northern California. The item is covered by US paent and will be offered to other producers on a sub-license basis.

Diamond Signs Option Pact For Belle Stock or Process

Diamond Alkali Company, Cleveland, Ohio, and Belle Alkali Company, Belle, W. Va., last week announced that Diamond has taken a sixty-day option to either purchase the stock of the Belle company or acquire the right to use Belle's process for the chlorination of methane.

Under the option agreement, Diamond will pay $275,000 if it elects to acquire the process if purchase is made. Diamond will pay $1,558,300 if all outstanding shares of Belle are acquired. Belle's five controlling stockholders are parties to the option pact.

Washington Talks It Over

By Ralph L. Cherry

The Republican leadership in the senate is making plans for one of the most searching inquiries into antitrust policies and overlapping laws that has been made in years. And indications are that the probe will not be entirely partisan. Democrats, as well as the Republicans, have been invited in on the inquiry, since the basis of the investigation will be the resolution by Sen. Pat McCarran, Nevada Democrat.

The Judiciary committee, which is to make the investigation, won't be lacking in leads to follow in bringing to light the conflicts and overlaps of the several antitrust laws. The conflicts were pointed up clearly by the business advisory council in a report of its studies of the antitrust laws filed just as the Truman administration went out of office. The need for a review also was emphasized in a study of the Justice department by a business management firm that came to light a few days later.

It will be the purpose of the Judiciary committee to clarify existing statutory enactments, and eliminate any conflicts which may exist; rectify any misapplications and misinterpretations of such laws which may have developed in their administration; supplement such statutes to provide any additional substantive, procedural, or organization legislation which may be needed for the attainment of the fundamental objects of such statutes; and improve the administration and enforcement of such statutes.

Before reporting the McCarran resolution authorizing the probe, the senate judiciary committee broadened its terms to make certain that it is to be "an investigation" as well as a study, and that it will be "complete and comprehensive." In order to make sure that no facts will be denied to it, the investigating committee also is to be armed with subpoena powers to compel the attendance of witnesses and the production of books and papers. It is anticipated that the probe may cost about $75,000 to make.

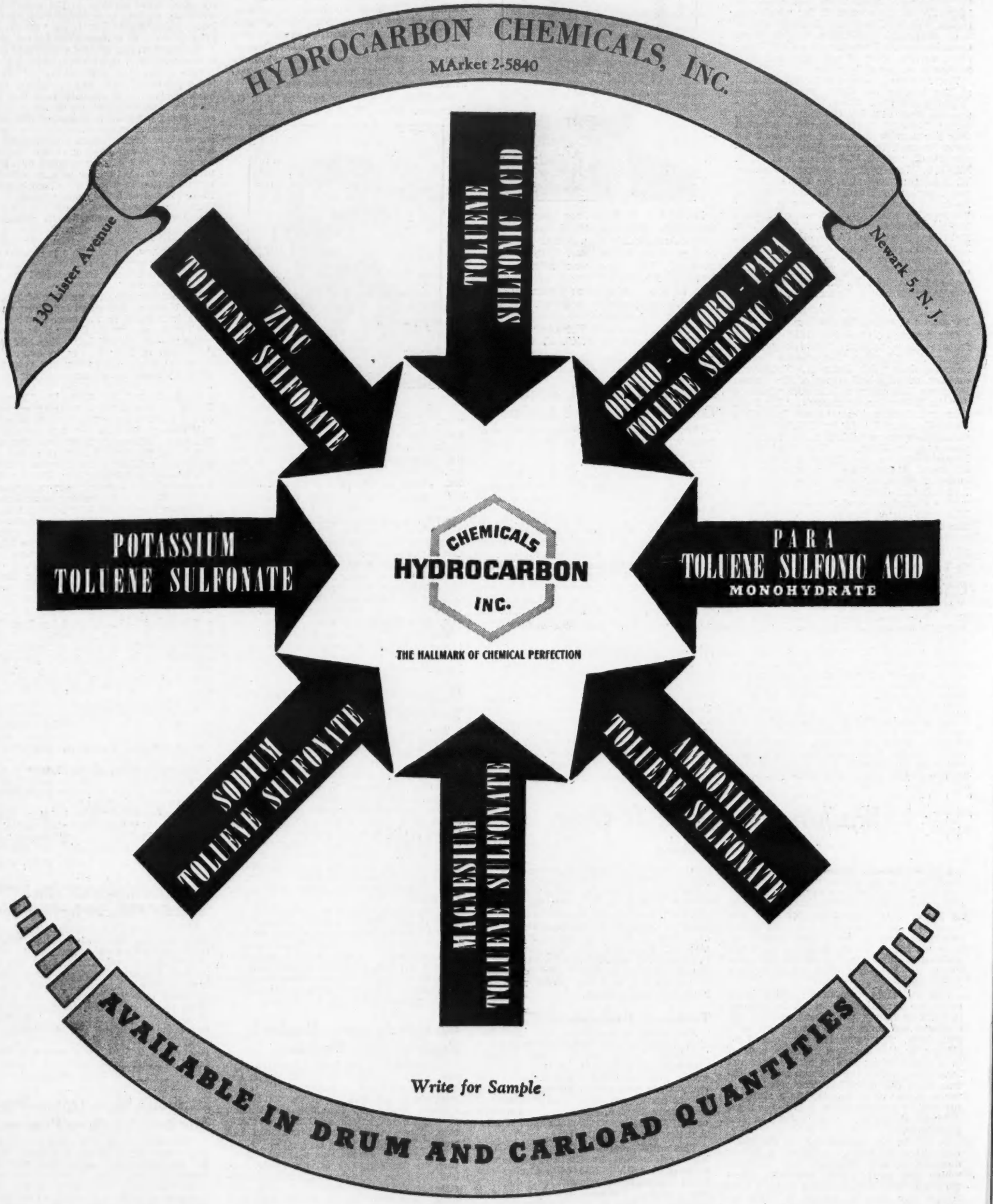
Tradename Confusion

The seller of a product that uses foreign words as his brand or tradename had better beware of the Federal Trade Commission. FTC has an idea that the public gets confused when it sees these tradenames and has to be told that they do not necessarily mean that the product was made abroad. If it is of domestic origin, the seller must state on his label that it was made in the USA.

This anti-deception rule appears to have been established by the commission in connection with a line of perfumes and toilet waters being put out by a domestic firm under various fetching French tradenames. The firm was capitalizing on a practice that has been prevalent for years but the FTC says now that unless the public is told that these products are of domestic and not French origin it is being deceived.

Among some observers, the question is

—Continued on page 36



Write for Sample

Association Meetings

American Chemical Society, national meeting, Statler, Biltmore hotels, Los Angeles, March 15-19; fall meeting, Chicago, September 6-11.

American Coke and Coal Chemicals Institute, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., October 12-13.

American Drug Manufacturers Association, annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-16.

American Institute of Chemists, annual meeting, Philadelphia, May 12-13.

American Institute of Mining and Metallurgical Engineers, Los Angeles, February 16-19.

American Oil Chemists' Association, annual meeting, Roosevelt hotel, New Orleans, La., May 4-6.

American Pharmaceutical Association, Salt Lake City, Utah, August 16-22.

American Pharmaceutical Manufacturers Association, western section meetings, Town House, Los Angeles, February 16-17; annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., March 30-April 1.

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 11-14.

American Society of Hospital Pharmacists, annual meeting, Salt Lake City, Utah, August 16-22.

American Society for Testing Materials, committee week, Statler, Tuller, Sheraton-Cadillac hotels, Detroit, Mich., March 2-6.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 29-July 3.

American Water Works Association, annual meeting, Grand Rapids, Mich., May 10-15.

American Zinc Institute, annual meeting, Statler hotel, St. Louis, Mo., April 27-28.

Antitrust Law Section, New York State Bar Association, Bar association House, New York, February 19.

Association of Consulting Chemists and Chemical Engineers, symposium, Belmont Plaza hotel, New York, April 21; annual meeting, Belmont Plaza hotel, New York, October 27.

Chemical Market Research Association, Lord Baltimore hotel, Baltimore, Md., February 26.

Chemical Specialties Manufacturers Association, midyear meeting, Drake hotel, Chicago, May 17-19; annual meeting, Mayflower hotel, Washington, D. C., December 6-8.

Commercial Chemical Development Association, annual meeting, Statler hotel, New York, March 23-24.

Consumers Cooperative Association, fertilizer industry safety conference, Atlanta Biltmore hotel, Atlanta, Ga., March 2-3.

Drug, Chemical and Allied Trades section of the New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 5.

Electrochemical Society, spring meeting, Statler hotel, New York, April 12-16.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 20-23.

Food, Drug and Cosmetic Law section of the New York State Bar Association, Bar Association House, New York, February 20.

Forest Products Research Society, annual meeting, Memphis, Tenn., June 15-17.

International Magnesium Exposition, Washington National Guard Armory, Washington, D. C., March 31-April 2.

Manufacturing Chemists Association, air pollution abatement conference, Statler hotel, Detroit, February 26-27; joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

Metal Powder Association, annual meeting, show, Cleveland hotel, Cleveland, Ohio, April 20-22.

National Agricultural Chemicals Association, spring meeting, Jung hotel, New Orleans, La., March 11-13.

National Association of Corrosion Engineers, Sherman hotel, Chicago, March 16-20.

National Association of Retail Druggists, annual meeting, Chicago, October 11-15.

National Cottonseed Products Association, Ambassador hotel, Los Angeles, May 8-12.

National Farm Chemurgic Council, annual conference, exhibit, Statler hotel, St. Louis, March 9-11.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 15-17.

National Foreign Trade Council, annual meeting, Waldorf-Astoria hotel, New York, November 16-18

National Sanitary Supply association, annual meeting and merchandise exposition, Conrad Hilton hotel, Chicago, March 22-25.

Oil Trades Association of New York, annual meeting, Waldorf-Astoria hotel New York, March 10.

Packaging Institute, annual forum, Statler hotel, New York, October 12-14.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Sheraton hotel, Chicago, April 18-19.

Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, March 2-6.

Society of Industrial Packaging and Materials Handling Engineers, exposition, technical short course and competition, Mechanics Hall, Boston, October 18-24.

Society of the Plastics Industry, reinforced plastics division conference, Shoreham hotel, Washington, D. C., February 18-20, annual meeting and conference, cruise to Bermuda, May 9-15.

Society of the Plastics Industries of Canada, annual conference, Gen. Brock hotel, Niagara Falls, March 10-11.

Southern Paint and Varnish Production Club, annual meeting, Buena Vista hotel, Biloxi, Miss., March 18-21.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, March 11; joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

Technical Association of the Pulp and Paper Industry, New York, February 16-19.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.

Oils, Fats Consumption: December

Factory consumption of primary oils, fats, fatty acids, and related materials, in December, 1952, totaled 1,406,632,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	279,905,000
Paint and varnish	44,072,000
Processing	315,245,000
Refining	555,459,000
Soap	113,563,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds—Crude	Pounds—Refined
Babassu—		
Refining	.....	.....
Soap	[1]	[1] .....
Other	.....	.....
Castor—	No. 1	No. 3
Refining	.....	.....
Fat-splitting	[1]	.....
Sulphonation	198,000	277,000
Soap	[1]	[1] .....
Paint and varnish	299,000	14,000
Linoleum and oilcloth	[1]	[1] .....
Chemicals	[1]	[1] .....
Lubricants and greases	[1]	36,000
Other uses	[3]3,835,000	[3]320,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	1,106,000
Linoleum and oilcloth	.....	[2] .....
Lubricants and greases	.....	.....
Other uses	.....	[3]278,000
Coconut—	Crude	Refined
Refining	33,792,000	.....
Deodorizing	.....	6,517,000
Hydrogenation	.....	2,443,000
Fat-splitting	4,748,000	.....
Shortening	.....	81,000
Sulphonation	54,000	8,000
Other edible products	[1]	1,968,000
Chemicals	[1]	.....
Soap	7,192,000	9,730,000
Paint and varnish	[1]	330,000
Other uses	[1]1,908,000	.....
Cod and codliver—		All grades
Sulphonation	.....	2[3]9,000
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	[1]1,203,000
Corn—	Crude	Refined
Refining	20,434,000	.....
Sulphonation	[1]	[1] .....
Deodorizing	.....	2,462,000
Winterizing for salad oil	.....	[1] .....
Shortening	.....	[1] .....
Oleomargarine	.....	[1] .....
Other edible uses	[1]	7,314,000
Soap	.....	[1] .....
Paint and varnish	.....	[1] .....
Other uses	[1]90,000	124,000
Cottonseed—	Crude	Refined
Refining	213,556,000	.....
Sulphonation	[1]	.....
Hydrogenation	.....	35,533,000
Deodorizing	.....	[1] .....
Winterizing for salad oil	.....	38,727,000
Shortening	.....	13,083,000
Oleomargarine	.....	4,837,000
Other edible uses	.....	913,000
Soap	.....	.....
Paint and varnish	.....	[1] .....
Other uses	[1]	[1]93,000
Fish—	Menhaden	Sardine
Refining	[2]	[2] .....
Fat-splitting	.....	.....
Sulphonation	42,000	211,000
Soap	.....	.....
Paint and varnish	1,863,000	681,000
Linoleum and oilcloth	[2]	27,000
Lubricants and greases	102,000	[2] .....
Other uses	[2]292,000	[2]471,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	[2]	101,000
Other uses	237,000	902,000
Fishliver, other than cod—		
Sulphonation	.....	[2] .....
Lubricants and greases	.....	.....
Other uses	.....	[2]292,000
Linseed—	Raw	Refined
Refining	20,744,000	.....
Fat-splitting	[1]	.....
Soap	.....	[1] .....
Paint and varnish	9,290,000	12,240,000
Linoleum and oilcloth	6,077,000	957,000
Lubricants and greases	[1]	.....
Other uses	5,915,000	5,992,000
Marine mammal—		All grades
Refining	.....	.....
Sulphonation	.....	372,000
Paint and varnish	.....	.....
Chemicals	.....	361,000
Lubricants and greases	.....	1,400,000
Other uses	.....	[3]306,000
Neatsfoot—		All grades
Refining	.....	.....
Sulphonation	.....	68,000
Soap	.....	.....
Chemicals	.....	[2] .....
Lubricants and greases	.....	16,000
Other uses	.....	[3]247,000
Oiticica—		All grades
Paint and varnish	.....	564,000
Linoleum and oilcloth	.....	[1] .....
Other uses	.....	134,000
Olive—	Edible	Inedible
Edible uses	48,000	.....
Soap	[1]	.....
Other uses	14,000	.....
Oleo—		All grades
Shortening	.....	[2] .....
Oleomargarine	.....	[2] .....
Other edible uses	.....	[2] .....
Soap	.....	[2] .....
Lubricants	.....	.....
Other uses	.....	[2] .....
Palm—	Crude	Refined
Soap	[1]	[1] .....
Lubricants and greases	[1]	[1] .....
Other uses	3,047,000	[1] .....
Palmkernel—	Crude	Refined
Soap	[1]	[1] .....
Peanut—	Crude	Refined
Refining	[1]	.....
Sulphonation	.....	107,000
Hydrogenation	.....	663,000
Deodorizing	.....	1,422,000
Winterizing for salad oil	.....	.....
Shortening	.....	[1] .....
Oleomargarine	.....	[1] .....
Other edible uses	.....	293,000
Soap	.....	[1] .....
Other uses	[1]	[1]243,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	[1]280,000
Sesame, refined—		
All uses	.....	[1] .....
Soybean—	Crude	Refined
Refining	207,042,000	.....
Fat-splitting	[1]	.....
Sulphonation	30,000	53,000
Hydrogenation	.....	99,681,000
Deodorizing	.....	6,449,000
Winterizing for salad oil	.....	.....
Shortening	.....	41,142,000
Oleomargarine	.....	4,451,000
Other edible uses	.....	5,614,000
Soap	83,000	32,000
Paint and varnish	424,000	6,474,000
Chemicals	.....	[1] .....
Lubricants and greases	38,000	10,000
Linoleum and oilcloth	[1]	1,247,000
Other uses	6,672,000	[1]6,676,000

	Pounds All grades
Tallow—	
Soap	.....
Lubricants and greases	518,000
Other uses	.....
Tung—	
Paint and varnish	3,280,000
Chemicals	.....
Lubricants and greases	[1] .....
Linoleum and oilcloth	[1] .....
Other uses	691,000
Vegetable, not specified—	
Refining	6,993,000
Fat-splitting	695,000
Hydrogenation	[1]731,000
Sulphonation	[1]51,000
Winterizing for salad oil	16,100,000
Shortening	100,000
Oleomargarine	14,000
Other edible uses	[1]295,000
Soap	[1,1]28,000
Paint and varnish	5[2],000
Linoleum and oilcloth	53,000
Chemicals	[2,1]1,000
Lubricants and greases	[1]67,000
Other uses	[3]8,629,000

Fats and Greases

Grease and lard oil—		
Sulphonation	.....	165,000
Soap	[3]	[3] .....
Lubricants and greases	.....	1,353,000
Other uses	.....	[3]734,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	5,043,000
Winterizing	.....	[3] .....
Sulphonation	.....	[3] .....
Hydrogenation	.....	[3] .....
Pressing	.....	5,974,000
Soap	.....	20,032,000
Lubricants and greases	[1]	993,000
Other uses	.....	[3]236,000
Lard—	Rendered	Refined
Shortening	6,930,000	8,617,000
Oleomargarine	[3]	[3] .....
Hydrogenation	3,431,000	915,000
Other edible uses	395,000	1,099,000
Soap	.....	.....
Lubricants and greases	93,000	[3] .....
Other uses	[3]	[3] .....
Stearin, animal—	Edible	Inedible
Shortening	541,000	.....
Oleomargarine	261,000	.....
Other edible uses	[2]	.....
Soap	.....	286,000
Other uses	[3]	[3]90,000
Stearin, vegetable—		
Shortening	.....	6,414,000
Oleomargarine	.....	[3] .....
Hydrogenation	.....	2,334,000
Other edible uses	.....	85,000
Other uses	.....	[3] .....
Tallow, edible—	Crude	Refined
Refining	.....	.....
Fat-splitting	.....	[3] .....
Hydrogenation	[3]	[3] .....
Sulphonation	.....	.....
Shortening	1,840,000	530,000
Soap	[3]	.....
Lubricants and greases	[3]	.....
Other uses	[3]62,000	[3]6,000
Tallow, inedible—	Crude	Refined
Refining	21,982,000	.....
Fat-splitting	13,141,000	.....
Hydrogenation	924,000	[3] .....
Pressing	[3]	.....
Sulphonation	497,000	207,000
Soap	42,325,000	17,896,000
Lubricants and greases	2,015,000	18,000
Other uses	[4]4,056,000	[3]155,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	5,129,000
Soap	1,663,000
Lubricants and greases	552,000
Other uses	[3]3,176,000
Animal oil foots (100 percent basis)—	
Soap	[3] .....
Other uses	[3] .....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2] .....
Sulphonation	.....
Soap	189,000
Paint and varnish	59,000
Linoleum and oilcloth	.....
Lubricants and greases	[3] .....
Other uses	[3]204,000
Fish and marine mammal oil fatty acids—	
Sulphonation	[3] .....
Paint and varnish	.....
Lubricants and greases	[3] .....
Other uses	129,000
Fish and marine mammal oil foots (100 percent basis)—	
All uses	34,000
Olive oil foots (including sulphur oil)—	
Soap	[1] .....
Red oil—	
Sulphonation	300,000
Soap	1,298,000
Paint and varnish	13,000
Chemicals	745,000
Lubricants and greases	230,000
Other uses	[3,1]1,418,000
Stearic acid—	
Sulphonation	40,000
Soap	336,000
Paint and varnish	52,000
Lubricants and greases	304,000
Chemicals	1,092,000
Other uses	[3,3]3,685,000
Vegetable oil fatty acids—	
Sulphonation	[3] .....
Hydrogenation	[3] .....
Soap	2,391,000
Paint and varnish	1,570,000
Lubricants and greases	40,000
Chemicals	728,000
Other uses	[3]7,589,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	10,075,000
Soap	3,219,000
Paint and varnish	99,000
Other uses	[3] .....

Unclassified

Materials not shown separately—	
Refining	1,639,000
Fat-splitting	[2] .....
Hydrogenation	5,971,000
Sulphonation	275,000
Pressing	1,433,000
Shortening	[2] .....
Oleomargarine	1,750,000
Soap	3,714,000
Paint and varnish	107,000
Linoleum and oilcloth	[2] .....
Chemicals	4,634,000
Lubricants and greases	383,000
Other uses	[3]9,341,000

[1] Included in "Total of vegetable oil not shown separately, including small quantities for items for which data are not reliable."

[2] Not shown to avoid disclosure of figures for individual companies.

[3] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.

ACS National Conclave Set Week of March 15

The 123rd national meeting of the American Chemical Society will be held in Los Angeles March 15 through 19, it has been announced by Dr. Thomas F. Doumani, of the Union Oil Company of California, chairman of the society's southern California section. Dr. L. Reed Brantley, head of the department of chemistry in Occidental College, has been named general chairman.

A highlight of the meeting will be the presentation of ten top scientific awards sponsored or administered by the society at a general assembly on March 16 in the Statler hotel. Dr. Farrington Daniels, national president of the society and head of the department of chemistry in the University of Wisconsin, will preside. Most of the divisional meetings will be held in the Statler and Biltmore hotels, the joint headquarters for the meeting and in the Embassy Auditorium.

On March 16 the morning and afternoon sessions will be devoted to a symposium on fire retardent paints, with W. W. Westgate presiding. On the morning of the following day, A. K. Doolittle will preside over a joint session of the divisions of biological and polymer chemistry. Linus Pauling will present a paper on "Configuration of Polypeptide Chains in Proteins." The afternoon session will be devoted to general papers, with J. K. Wise presiding. On March 18 there will be a symposium entitled, "Plastics and Finishes for Aircraft," with A. L. Alexander presiding.

Water Supplies Symposium

The use and conservation of water supplies will be the subject of a special symposium sponsored jointly by the division of industrial and engineering chemistry and the division of water, sewage and sanitation chemistry. The two divisions also will co-sponsor a symposium on "Industrial Requirements for Process Water."

A proposal for a western textile industry will be outlined in another symposium, sponsored by the division of chemical marketing and economics, which will be under the chairmanship of A. George Stern, of the Heyden Chemical Company. The division also will hold symposia on marketing agricultural chemicals in the west and resources for the chemical industry in Montana, Idaho, New Mexico and Wyoming.

"How Can We Lick the Problem of the Shortage of Chemists?" is the title of a symposium to be held by the division of chemical education. Other symposia conducted under the auspices of this division will deal with "Color and Constitution," "Federal Support of Basic Research in Chemistry," and "Recent Developments in Chemistry."

The chemistry of viruses and proteins

—*Continued on page 43*

SAACI 1953 Committee Chairmen Are Appointed

Robert J. Milano, president of the Salesmen's Association of the American Chemical Industry, has announced the appointment of 1953 committee chairmen. The appointees, who have been approved by SAACI's executive committee, are as follows:—

Golf committee, M. Testa, jr., Shell Chemical Corporation; entertainment committee, Robert J. Roberts, Emery Industries, Inc.; special functions committee, J. Douglas Campbell, Caldwell Chemical Company; publicity committee, Arthur R. Kavaler, OIL, PAINT AND DRUG REPORTER, and sales clinic committee, Ralph I. Ericsson, Sumner Chemical Company.

Also, admissions committee, Clifford S. Heathcote, Monsanto Chemical Company; auditing committee, Edward G. Egan, American Mineral Spirits Company; welfare committee, Frank J. Edwards, Frank J. Edwards Company, and employment committee, N. Harold Fyffe, Oldbury Electro Chemical Company.

FWDA to Meet February 26

The Federal Wholesale Druggists Association will hold a luncheon meeting February 26 at the Statler hotel, New York. Cocktails will be served from 11:30 a.m., with luncheon following at 1 p.m. Speaker will be Graham Patterson, publisher of the *Farm Journal* and *Pathfinder* magazine, whose subject will be "This Whirling World."

Oil Trades Meeting Mar. 10

The Oil Trades Association of New York will hold its annual meeting and election of officers March 10 in the Waldorf-Astoria hotel, New York. A reception will be held at 6:15 p. m. and dinner will follow at 7:45.

Can these Baker LEAD SALTS of controlled purity help you in your processing?

When you need Lead Salts in tonnage lots, call in the Baker Representative. Baker's enlarged facilities permit us to serve a few more volume buyers.

Check the Lead Salts specifications below. You'll find their physical form convenient to use – their chemical purity closely controlled – their availability scheduled to your production needs.

LEAD NITRATE, Technical Crystal

$Pb(NO_3)_2$ — F. W. 331.226

Assay ($Pb(NO_3)_2$)	99.0 %
Insoluble Matter	0.010%
Substances not precipitated by H_2S (as SO_4)	0.50 %

Color—White

LEAD ACETATE, Technical Crystal; Small Crystal; Granular 4-20 Mesh; Powder

$Pb(C_2H_3O_2)_2.3H_2O$ — F. W. 379.346

Assay ($Pb(C_2H_3O_2)_2.3H_2O$)	99.0-105.0%
Insoluble Matter	0.020 %
pH of 5% Solution at 25°C.	5.5-6-5
Substances not precipitated by H_2S (as SO_4)	0.20 %

Odor: Faint Acetic Acid
Colorless and free flowing

Crystal—Size:
3" and finer

Granular 4-20 Mesh:
Max. 15% On U.S. No. 4 Sieve
Max. 5% Thru U.S. No. 20 Sieve
Bulk (untapped): 50 Gm -○- 35-42 ml.

Small Crystal—Mesh:
Max. 25% On U.S. No. 4 Sieve
Min. 75% On U.S. No. 40 Sieve
Max. 20% Thru U.S. No. 140 Sieve

Powder—Mesh:
Max. 1% On U.S. No. 20 Sieve
Min. 85% Thru U.S. No. 40 Sieve
Bulk (untapped): 50 Gm -○- 39-56 ml.

LEAD DIOXIDE, Technical Powder

PbO_2 — F. W. 239.21

Assay (PbO_2)	90.0 %
Insoluble in HNO_3	0.20%
Mesh	Max. 1% on U.S. No. 325 Sieve

Color—Light Chocolate Shade

FOR ALL THESE IMPORTANT FEATURES YOU PAY NO PRICE PREMIUM

Tell us your requirements, and let us submit samples to specification. Address inquiry to J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, New Jersey.

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, February 13 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).

Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l. frt. equald ..... lb. .1350- .1535
tanks, frt. equald ..... lb. .1050- .1300

Acetaldol (see Aldol).

Acetanilide tech., bbls., c.l., dlvd. lb. .26½- —
l.c.l., ton lots ..... lb. .27½- —
smaller lots ..... lb. .30½- —
USP, bbls., 2,000-lb. lots ..... lb. .61 - —
smaller lots ..... lb. .62 - .67

Acetic anhydride, dms., c.l., dlvd. E. lb. .16 - —
l.c.l., dlvd. E ..... lb. .17½- —
tanks, dlvd. E ..... lb. .14½- —

Acetoacetanilide, 5b dms. c.l dlvd. lb. .73 - —
l.c.l., dlvd ..... lb. .74 - —

Acetoacetorthochloroanilide, fib. dms., c.l., dlvd. lb. 1.22 - —
l.c.l., dlvd. ..... lb. 1.23 - —

Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd ..... lb. .79 - —

Acetone, CP dms., c.l., dlvd. lb. .10¼- .11¾
l.c.l., dlvd ..... lb. .11 - .12½
tanks, dlvd ..... lb. .09½- .10

Methyl (see M).

Acetonitrile dms. c.l., works ... lb. .45 - —
l.c.l., works ..... lb. .47 - —

Acetophenetidin USP bbls., works, frt. equald. lb. 1.15 - 1.17

Acetophenone cns. dms ... lb. 1.35 - 1.85
tech. dms. l.c.l. works lb. .75 - —

Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.50 - 1.60

Acetyltributyl citrate, tech. dms., c.l lb. .37½- —
l.c.l ..... lb. .38½- —
tanks ..... lb. .36 - —

Acetyltriethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. ..... lb. .38½- —
tanks ..... lb. .36 - —

Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .1390- —
cryst., dms., c.l., works .... lb. .06½- —
l.c.l., works ..... lb. .07 - .07½

Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56% bbls ..... 100 lbs 9.65 - —
70% bbls ..... 100 lbs. 11.70 - —
80% bbls ..... 100 lbs. 12.45 - —

glacial, synthetic, CP, dms., works 100 lbs. 15.00 -16.00
USP cbys, inclusive works, 100 lbs. 24.00 -25.00

tech., dms., c.l., works 100 lbs. 10.50 -12.50
l.c.l., works ..... 100 lbs. 11.00 -13.50
tanks, works frt. equald 100 lbs. 9.00 -11.50
USP, dms, works 100 lbs. 13.50 -14.50

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine cryst., gran., (30-40 mesh) powd. (60 mesh), bbls same basis, lb. .55 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works ..... lb. .30½- —

Aminoacetic, NF, bbls., frt. adjusted lb 1.50 1.75

Anthranilic resub., bbls ..... lb 2.10 - —
tech. bbls. frt equald .... lb 1.10 - —

Arsenous, tech (see Arsenic, white).

USP (see Arsenic trioxide).

Ascorbic USP dms., 25-50 kilo lots, kilo 21.00 - —
10-kilo lots ..... kilo 21.35 - —
5-kilo lots ..... kilo 21.75 - —
bots., 1-kilo lots ..... kilo 22.00 - —
500-gram lots ..... kilo 22.50 - —

Battery, cbys, c.l., works, E. 100 lbs 2.40 - —
l.c.l., works, E ..... 100 lbs. 2.80 - 6.20

Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .425 - .450
USP, bbls., dms. 100-lb. lots or more lb. .525 - .540

Betahydroxynaphthoic (see Acid, betaoxynaphthoic).

Betanaxynaphthoic, bbls., works lb. 1.14 - —

Boric, tech., 99½% cryst., sks., c.l., works ton 120.75 - —
ton lots, ex whse., N Y or Chi ton 166.50 - —
less ton lots same basis, ton 171.50 - —
bbls., c.l., works ton 145.25 - —
ton lots, ex whse., N Y or Chi ton 191.00 - —
less ton lots same basis, ton 196.00 - —
bulk c.l., works ton 116.75 - —
gran., bgs., c.l. works ton 95.75 - —
ton lots, ex whse., N Y or Chi ton 141.50 - —
less ton lots same basis, ton 146.50 - —
bbls., c.l., works ton 120.25 - —
ton lots ex whse., N Y or Chi ton 166.00 - —
less ton lots same basis, ton 171.00 - —
bulk, c.l., works ton 91.75 - —
powd., bgs., c.l. works ton 103.75 - —
ton lots, ex whse., N Y or Chi ton 146.50 - —
less ton lots same basis, ton 151.50 - —
bbls., c.l., works ton 125.25 - —
ton lots ex whse., N Y or Chi ton 171.00 - —
less ton lots, same basis, ton 176.00 - —
bulk c.l works ton 96.75 - —

USP $25 per ton higher.

Acid, broenner's, bbls ..... lb. 1.47 - —

Butyric, 99%, dms., c.l., works, lb. .34 - —
l.c.l., works ..... lb. .34½- —
tankcars, works ..... lb. .32½- —

Cacodylic, bots ..... lb 10.50 13.00

Camphoric natural, dms ..... lb. 4.00 - 4.75
synth., dms ..... lb 4.00 4.75

Capric, 90%, dms ..... lb. .32¼- .33½

Caprylic, 90%, dms ..... lb. .32¼- .33½

Cassello dms frt alld ..... lb 1.44 —

Castor oil, dms ..... lb. .22½- .23

Chicago, bbls., frt alld ..... lb. 3.21 —

Chlorosulphonic, dms, c.l., frt. equald lb. .039 —
l.c.l., frt equald ..... lb. .044 - .059
tanks, frt. equald ..... lb. .034 —

Cholic, 10 to 25-lb. lots, fiber dms. lb. 10.75 -10.85

Chromic, 99½-99¾% dms., c.l., works lb. .27 - .27½
l.c.l., works ..... lb. .27½- .28½

NF (see Chromium trioxide)

Cinnamic, refd bots ..... lb. 3.50 3.50

Citric, anhyd., gran., fine gran., dms., c.l lb. .26½- —
10,000-lb. lots, 1 ship't. lb. .27 - —
smaller lots ..... lb. .27½- —
kgs. ..... lb. .28½- —

USP, gran., fine gran. dms., c.l lb. .24¼- —
10,000-lb lots, 1 ship't. lb. .25 - —
smaller lots ..... lb. .25½- —
kgs. ..... lb. .26½- —

Powdered anhydrous, and powdered USP citric acid, ½c. higher.

Cleve's, mixed bls ..... lb. .79 - —

Coconut oil, dist., dms ..... lb. .23¼- .24½
tankcars ..... lb. .21½- .22½
double dist., dms ..... lb. .24¼- .25½
tankcars ..... lb. .22½- .25½

Corn oil, dist., dms ..... lb. .12 - .12¾
tanks ..... lb. .10¼- —

Cottonseed oil, dist., dms ..... lb. .12 - .12¾
double, dist., dms ..... lb. .12½- .13¼

Cresylic, coaltar, dom., 50% 207°C or above, ret. dms., c.l., frt. equald gal. .66 - —
l.c.l., same basis ... gal. 1.03 - —
non-ret. dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis ..... gal. 1.04 - —
tanks, same basis ..... gal. .90 - —

204° to 207°C, ret dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis .... gal. 1.08 - —
non-ret. dms., c.l., same basis gal. 1.06 - —
l.c.l., same basis ..... gal. 1.09 - —

Acid, cresylic, coaltar, dom., 204° to 207°C., tanks, same basis gal. .93 - —
tmp., 75% at 215°C. or over, dms., ex., whse. gal. .85 - .95

petroleum, dom., 195° to 213°C, non ret dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks same basis gal. .58 - —

200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63

211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis .. gal. .65 - .67
tanks, same basis .. gal. .50 - —

220° C to 242° C, tanks, Wilmington, Cal gal. .50 - .53

245° C to 296° C, tanks, Wilmington, Cal gal. .46 - —

Crotonic, fib dms., works .... lb. .45 - —

Cyanoacetic, tech. bbls ..... lb. .90 - 1.25

Dehydrocholic, injection, fib. dms., 10 to 100-lb. lots. lb. 25.00 -25.50
oral, fib., dms., 10 to 100-lb. lots. lb. 18.40 -18.45

Desoxycholic, fib. dms., 10 to 100-lb. lots lb. 23.50 - —

Dichlorophenoxyacetic (see under "D" 2,4-D).

Diethylbarbituric (see Barbital).

Diglycolic, bgs. works ..... lb. .14 - —

Ethylhexoic, dms. c.l., works lb. .35 - —
l.c.l. works ..... lb. .35½- —
tanks works ..... lb. .33¼- —

F, crude, paste, bbls., works lb. 1.67 - —

Folic, bots. fib cns., kilo or more gram. 1.60 —

Formic, 85%, cbys., c.l., works lb. .1420- .1470
l.c.l., works ..... lb. .145 - .157
90%, cbys., c.l., works ..... lb. .1475- .1525
l.c.l., works ..... lb. .1500- .1625

Fumaric, tech, bbls, dms ... lb. .37 - .38

Gallic, NF VII, bbls., 1,000-lb. lots, lb. 1.80 - —
smaller lots lb 1.82 - 2.00
technical, bbls., 1,000-lb. lots lb 1.58 - —
smaller lots lb 1.89 1.78

Gamma, dry, ground, bbls., frt. alld lb 1.50 - —
paste, bbls., frt. alld ..... lb 1.45 - —

Gentisic, 100-lb fib dms ..... lb. 6.50 - —

Gluconic, tech, 50% bots ..... lb. .23½- .31½
dms ..... lb. .14½- —
cbys. ..... lb. .17½- —

Glutamic 99½% laevo, fib. dms., 100-lb lots, works lb 2.45 2.53
25-lb. lots, works lb. 2.60 2.68

Glycerophosphoric, 35%, dms., works lb. 2.25 2.35

Acid, glycolic (see Acid hydroxyacetic).

H, bbls., works, basis 100% .... lb. .82 - —
Hydriodic, 1.50 s.g. cbys .... lb 2.67 - —
1.70 s.g. cbys ..... lb. 2.96 - —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .37 - .43

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., frt. alld ... lb. .75 - .95
dilute, NF, 2%, 5-lb. bots .. lb. .40 - —

Hydrofluoric, anhyd., cyls., works, lb. .24 - .28
tanks, works ..... lb. .18 - —
70%, steel dms., works .... lb. .1535- .1955

Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —

Hydroxyacetic, tech. 70%, bbls., non-return., Phila., basis 100% lb. .12 - —
tanks, Belle W Va., basis 100% lb. .083 - —

Hypophosphorous, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys lb. .83 - —

Isonicotinic, 100 lb. fib dms, works lb. 8.00 -10.00

J, bbls., works, basis 100% .. lb. 2.50 - 2.85

Koch, bbls, frt. alld ..... lb. .64 - .70

L, bbls frt alld ..... lb. 1.25 - —

Lactic, edible, 50% bbls., 20 or more lb. .17 - .20
smaller lots ..... lb. .17½- .21
80%, bbls., 5 or more ... lb. .30 - .3640
less than 5 bbls ..... lb. .305 - .3690

plastic grade, 50% bbls., 20 or more, works lb. .21¾- —
1 to 19 ..... lb. .22¼ - .22¾
80%, bbls., 5 or more .... lb. .3815- —

tech., 22%, bbls., c.l., works, 100 lbs 6.20 - —
l.c.l., works .... 100 lbs. 6.70 - —
cbys., works .... 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs. 11.45 -11.95
l.c.l., works ..... 100 lbs. 11.85 -12.50

NF, 85%, cbys ..... lb. .85 - .88

Laurent's, bbls ..... lb. .60 - .87

Lauric, 90%, dms ..... lb. .34¾- .35½
60%, dms ..... lb. .23¾- .24

Linseed oil, dist., dms ..... lb. .2060- .2110
water-white, dms ..... lb. .2360- .2410

Maleic, cryst., powd., dms ..... lb. .37 - .38

Malic, tech., dms ..... lb. .50 - —

Mandelic, NF, dms., 1,000-lb. lots, lb. 2.35 - —
smaller lots ..... lb. 2.40 - 2.50

Metanilic, dms., works ..... lb. .57 - .75

Methacrylic, dms., c.l. and truckloads, works lb. .76 - —
less than truckload works lb 76½- .80

Molybdic, 85-92½%, dms, works lb. 1.27 - —

Monochloroacetic, purified, flake, 99%, dms lb. .23½- .25¼
tech., flake, 96-97%, dms lb. .20 - .22

Muriatic, 18° cbys., c.l., works, 100 lbs. 2.45 2.50
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 4.30
tanks, works ..... ton 25.00 -29.00
20°, cbys., c.l., works 100 lbs. 2.70 3.05
l.c.l., dlvd Metropolitan area 100 lbs. 3.50 4.30
tanks, works ..... ton 27.00 -33.00
22°, cbys., c.l., works 100 lbs. 3.30 3.40
l.c.l., dlvd Metropolitan area 100 lbs. 3.50 4.30
tanks, works ..... ton 32.00 -36.00

CP, USP consumers, cbys., extra, c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼ - .13¾
5 pint bottles, extra, cs., c.l., same basis lb. .16¾ —
l.c.l., same basis lb. .19¼- —

Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.

Myristic, dms ..... lb. .28½- .29¼

Naphthenic, 220-250 acidity, dms., works lb. .14 —
tanks, works lb. .12 —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol(1)-5-sulphonic (see Acid, L).

Naphthol(1)-5-sulphonic,3-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma).

(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms., frt. alld lb. 1.05 - —

Nicotinic, USP, dms, frt. adjusted kilo. 9.00 - 9.30

Amide (see Nicotinamide).

Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.00 - —
l.c.l., works E .... 100 lbs. 5.30 -11.10
38° Be cbys., c.l., works E. 100 lbs. 5.50 - —
l.c.l., works E .... 100 lbs. 5.80 -11.60
40° Be cbys., c.l., works E. 100 lbs. 6.00 - 6.50
l.c.l., works E .... 100 lbs. 6.30 -12.10
42° Be cbys., c.l., works E 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 -12.60

60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 - —

95% HNO_3, tanks, works, basis 100% 100 lbs. 4.25 - —

CP, NF consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15¼
5 pint bottles, extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis ... lb. .19 - .25

Oleic, single distilled, dms ..... lb. .13 - .13¾
tanks ..... lb. .11¼- —
double distilled (white), dms. lb. .15½- .16¼
tanks ..... lb. .13¾- —

Oleum (see Acid, sulphuric, fuming).

Orthochlorobenzoic, fib dms., works lb. 1.13 - —

Orthocresotinic, dms, ton lots, works lb. .65 - —
smaller lots, works ..... lb. .68 - —

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
				NF.	National Formulary
alld.	allowed	dextro	dextrorotatory		
ammo.	ammonia	dist.	distilled	No.	number
amorph.	amorphous	distr.	distributor	nom.	nominal
AMP.	American melting point	djns.	demijohns	ord.	ordinary
		dlvd.	delivered	oz	ounce
anhyd.	anhydrous	dms.	drums	Pac.	Pacific
a.p.a.	available phosphoric acid	dom.	domestic	pf.	proof
		E	east	phos.	phosphate
artif.	artificial	e.p.	end point	photo.	photographic
ASTM.	American Society for Testing Materials	equald.	equalized	pkgs.	packages
		F	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
		ffa.	free fatty acid	prod.	producer
Be.	Baume	ffc.	free from chlorine	pt.	point
bbls.	barrels			pulv.	pulverized
bgs.	bags	fib.	fiber	purif.	purified
bls.	bales	f.o.b.	free on board	redist.	redistilled
bots.	bottles	FPA.	free of prussic acid	refd.	refined
b.p.	boiling point			refy.	refinery
b.p.l.	bone phosphate of lime	frt.	freight	reg	regular
		fus.	fused	resub.	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD.	specially denatured
C.	centigrade	grd.	ground		
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured			S E.	southeast
		l.b p.	initial boiling point	secs.	seconds
c.i.f.	cost, insurance, freight			s.g.	specific gravity
		imp.	imported	shipt.	shipment
cks.	casks	incl.	included	solut.	solution
c.l.	car lots	indust.	industrial	s.u	standard unit
cns.	cans	kgs.	kegs	synth.	synthetic
col.	color	lacq.	lacquer	tanks.	railroad tankcars
coml.	commercial	lb	pound		
conc.	concentrated	l.c.l.	less than car lots	tech.	technical
CP.	chemically pure	liq.	liquid	USP.	U. S. Pharmacopoeia
cps.	centipoises	m.a.p.	mixed anilin point		
cryst.	crystal	M c.f.	thousand cubic feet	vis.	viscosity
cs.	cases			VM&P	varnish makers & painters
ctns.	cartons	min.	minimum		
cyls.	cylinders	m.p.	melting point	W	west
dbl.	double	N.	nitrogen	whse.	warehouse
denat.	denatured	nat.	natural	w w	water white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

Acacia—Acid, Orthocresotinic

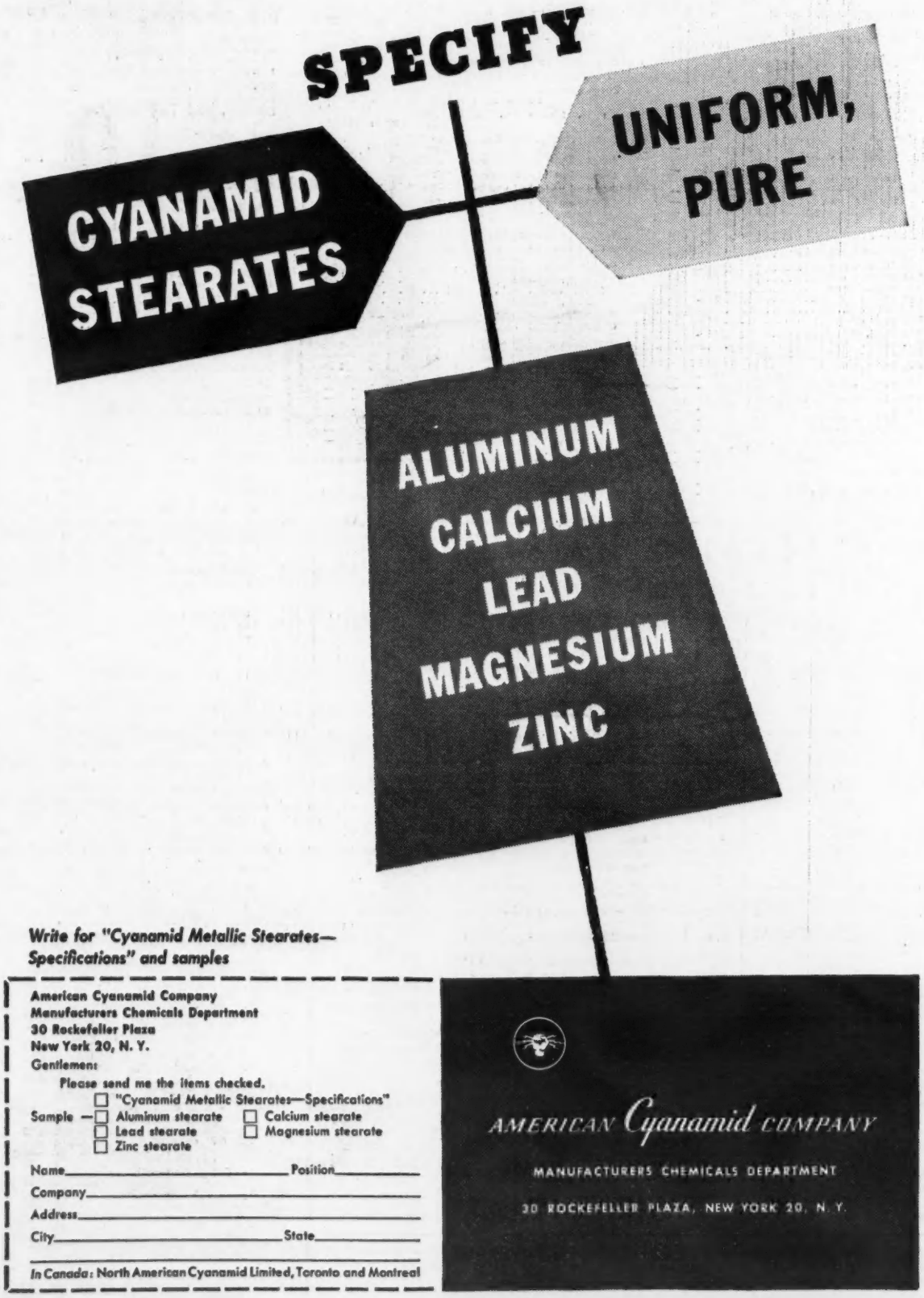
Acid, Oxalic—Alcohol, Isopropyl

Acid, oxalic, bbls., c.l., works lb. .1575- .1590
10,000-lb lots, works lb. .16 - .1615
smaller lots, works lb. .17 - .1715
Palm oil, double dist., dms. lb. .12¼- .13
Para-aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP dms., 1,000-lb lots or more, works lb. 2.90 - 3.50
smaller lots lb. 3.00 - 3.75
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Parachlorobenzoic, fib dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, buts lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs 7.00 - 7.10
l.c.l., works 100 lbs. 7.50 - 8.00
tanks, works 100 lbs 4.90 - 5.00
NF, 85%, cbys., c.l., works lb. .08 - .08¼
l.c.l., works lb. .08½- .09¼
Picric, NF 300-lb. bbls lb .55 —
dms., small lb. .81 - .87
tech., bbls lb .22 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works lb. .263 - —
tanks, works lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 - 2.99
Pyroligneous, dms., incl., l.c.l., works gal. .36 - —
whse. gal. .504 - —

Acid, ricinoleic (see Acid, castor oil, split).
S. bbls., works lb. 3.25 - —
Salicylic, crude, bgs lb. .38 - —
sublimed, tecn., bbls., c.l. lb. .37 - —
l.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works, lb. .80 - —
l.c.l., works lb. .82 - .84
Soybean oil, double dist., dms lb. .13½- .14¼
single, dist., dms lb. .13 - .13¾
Stearic, double pressed, bgs lb. .11½- .12¾
single pressed, bgs lb. .11 - .12¼
triple-pressed, bgs lb. .13¾- .15
Succinic, purified, cryst., bbls., works lb .63 - .75
Sulphanilic, tech., dms., c.l., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton 16.30 - —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
l.c.l. works 100 lbs 2.30 - 3.10
tanks, works ton 20.00 - —
96-100% tanks works ton 21.00 - —
CP, NF, consumers cbys. extra, c.l., works, frt. equald. lb. .69¾- —
l.c.l., same basis lb. .11¼- .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¼- .20¾
fuming, 20% tanks, works ton 22.40 - —
Tallow, dist., dms lb. .10 - .10¾
hydrogenated, dms lb. .11 - .11¾

Acid, tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.70
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .95 - —
Tartaric, USP, dom. 230, 250-lb., dms., c.l lb. .37 - —
10,000-lb. lots, 1 ship't. lb. .37½- —
smaller lots lb. .38 - —
100-lb. dms lb. .39 - —
small dms lb. .41 - .47
imported, bgs lb. .27 - —
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
l.c.l., works lb. .17½- —
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls lb. .35 - .40
root, bls lb. .50 - .65
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, tech. grade, dms., works, lb. .47½- —
Acrylonitrile, dms., c.l., works lb. .44½- —
l.c.l. works lb. .45 - .47
tanks, works lb 43 - —
ACTH, bots gm. 25.00 - —
Adeps, lanae (see Lanolin).
Adonis, vernalis herb, bls lb. .22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 2.25 - —
powdered, 30 mesh, fib. dms. lb. 2.25 - 2.50
Agaric, white, bls lb. 2.25 Nom.
Agrimony herb, bls lb. .25 - .30
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00

Albumen (egg), edible, flake, bbls., lb. 2.56 - 2.58
powder, bbls lb. 2.58 - 2.60
tech., cryst., bbls lb. 1.01 - 1.08
Albumin, blood, dark (see Blood, dried, soluble).
light, dms, l.c.l. lb. .67 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. of Rockies lb. .16¾- —
l.c.l., frt. alld. E. of Rockies lb. .17½- —
tanks, frt. alld. E. of Rockies lb. .15 - —
fermentation, ref'd., 126°-132°C., dms., c.l., dlvd lb. .32¾- —
l.c.l., dlvd lb. .33¾- .36
tanks, dlvd lb. .31 - —
128-132° C., dms. l.c.l. dlvd. lb. .33¾- .36
ACS grade, dms., l.c.l., dlvd lb. .35¾- —
synthetic, normal, dms., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
tanks, works lb. .40 - —
secondary, dms., c.l., frt. alld. E lb. .23¼- —
l.c.l., frt. alld. E lb. .24 - —
tanks, frt. alld E lb. .21½- —
tertiary, dms. c.l., frt. alld E. lb. .19¾- —
l.c.l., frt. alld. E lb. .20½- —
tanks, frt. alld. E lb. .18 - —
Benzyl, NF, dms lb. .64 - 79
tech., dms., dlvd lb. .47½ 49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l. frt. alld lb. .15½- —
tanks, frt. alld lb. .13 - —
synthetic, normal, dms., c.l., dlvd lb. .14¾- —
l.c.l., dlvd lb. .15½- —
tanks, dlvd lb. .13 - —
secondary, dms., c.l., dlvd. lb. .12¾- —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11 - —
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l. frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
l.c.l., works lb. .15½- —
tanks, works lb. .13½- —
95%, dms., c.l., works lb. .16½- —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Cetyl, extra, fib., cns., 500-lb lots or more lb. .83 - —
smaller lots lb. .85 - —
NF, fib., cns., 140-lb lots or more lb. .63 - .82
smaller lots lb. .64 - .82
Cinnamic, bots lb. 2.25 - 3.20
Decyl, bots lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- .68¼
l.c.l., dlvd., same basis gal. .58½- .72½
tanks, dlvd., same basis gal. .42½- .56½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .55 - .69½
l.c.l., same basis gal. .59 - .78½
tanks, same basis gal. .43 - .57½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies gal. .55 - .69
l.c.l., same basis gal. .59 - .78
tanks, same basis gal. .43 - .57
SD2B, dms., c.l., dlvd. E. of Rockies gal. .53 - .68
l.c.l., same basis gal. .57 - .77
tanks, same basis gal. .41 - .56
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - .67
l.c.l., same basis gal. .57 - .76
tanks, same basis gal. .41 - .55
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½- .69
l.c.l., same basis gal. .59½- .73
tanks, same basis gal. .43½- .57
SD23H, dms., c.l., dlvd. E. of Rockies gal. .55½- .69½
l.c.l., same basis gal. .59½- .78½
tanks, same basis gal. .43½- .57½
SD29-1, dms., c.l., dlvd. E. of Rockies gal. .53½- .68½
l.c.l., same basis gal. .57½- .77½
tanks, same basis gal. .41½- .56½
SD30, dms., c.l., dlvd. E. of Rockies gal. .52½- .66½
l.c.l., same basis gal. .56½- .75½
tanks, same basis gal. .40½- .54½
SD35A, dms., c.l., dlvd. E. of Rockies gal. .55½- .70
l.c.l., same basis gal. .59½- .79
tanks, same basis gal. .43½- .58
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - .68½
l.c.l., same basis gal. .58 - .77½
tanks, same basis gal. .42 - .56½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.47 -20.62
l.c.l., same basis gal. 20.51 -20.71
tanks, same basis gal. 20.35 -20.50
tax free, dms., c.l., dlvd. E. of Rockies gal. .52 - .67
l.c.l., same basis gal. .56 - .76
tanks, same basis gal. .40 - .55
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies. gal. 21.57 -21.72
c.l., same basis gal. 21.61 -21.81
tanks, same basis gal. 21.45 -21.60
Ethylbutyl, dms., c.l., works lb. .29¼- .29½
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .27¾- —
l.c.l., same basis lb. .28¾- —
tanks same basis lb. .26¼- —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½- —
l.c.l., works lb. .24 - —
tanks, works lb. .19½- —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l. dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd lb. .26¼- —
l.c.l. dlvd. lb. .27 - —
tanks, dlvd. lb. .24½- —
Isopropyl, refd., 91%, dms., c.l., dlvd gal. .50½- —
l.c.l., dlvd gal. .55½- —
tanks, dlvd gal. .38½- —
95%, dms., c.l., dlvd gal. .52¾- —
l.c.l., dlvd gal. .57¾- —
tanks, dlvd gal. .40¾- —
99%, dms., c.l., dlvd gal. .55 - —
l.c.l., dlvd gal. .60 - —
tanks, dlvd gal. .43 - —



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American Cyanamid Company
Manufacturers Chemicals Department
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Gentlemen:
Please send me the items checked.
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Sample —☐ Aluminum stearate ☐ Calcium stearate
☐ Lead stearate ☐ Magnesium stearate
☐ Zinc stearate
Name_____ Position_____
Company_____
Address_____
City_____ State_____
In Canada: North American Cyanamid Limited, Toronto and Montreal

Alcohol, lauryl, bots.....lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots..lb. 2.00 - 3.25
technical (see Octanol normal).
Pentothenyl (see Panthenol).
Phenylethyl, dms.....lb. 1.97 - 2.18
Polyvinyl, various grades, bgs., ton lots, works..lb. .72½- .76
smaller lots, works....lb. .77½- .81
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .10 - —
Tetrahydrofurfuryl, cns., Waverly, N. Y..lb. .49½- —
dms., Niagara Falls, N. Y..lb. .42½- —
l.c.l., Waverly, N. Y.....lb. .45 - —
tanks, Niagara Falls, N. Y..lb. .40 - —
Industrial grade, dms. c.l., Niagara Falls, N. Y..lb. .29 - —
l.c.l., Waverly, N. Y.....lb. .30 - —
tanks, Niagara Falls, N. Y.lb. .27 - —
Aldol, 95%, dms., works.....lb. .23 - —
denaturing grade, dms.....gal. 2.15 - —
Aldrin, 60% solut., dms., c.l. works frt. alld..lb. .64½- —
l.c.l., works, frt, alld....lb. .76½- —
Aletris root, bgs.....lb. 1.20 - 1.25
Algin (see Sodium alginate).
Alkanet root, bgs.....lb. .35 - .50
Allethrin, 100%, dms., frt., alld..lb.32.00 - —
90%, dms., frt, alld.....lb.28.80 - —
solution, 20%, dms., 100-lb. lots, frt. alld..lb. 6.65 - —
2½%, dms., frt. alld.....gal. 6.00 - —
Allspice (see Pimento).
Allyl bromide, cbys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .15 - —
Starch, solid, dms., works.....lb. .52¾- .54¼
solution, 40% toluol-butanol, dms., works..lb. .25½- .26¼
Aloe, Cape, cs.....lb. .30 - .32
powdered, cs.....lb. .38 - .45
Curacao, kgs.....lb. .50 - .55
Socotrine, kgs.....lb. .25 - .35
Aloin, USP, bbls., dms., kgs....lb. 4.25 - 4.70
Alphanaphthol, bbls., frt. alld....lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .43½- —
l.c.l., works, frt. equald.....lb. .44 - —
Alphapinene, tanks, South. works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. £. lb. .17 - —
Alphatocopherol, bots.....kilo.250.00 - —
Acetate, bots.....kilo.250.00 - —
Althea root, NF, peeled, bls....lb. .26 - .33
Alum, ammonium, gran., bgs., works 100 lbs. 3.80 - —
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms..... lb. .20 - .21
hydrous, dms..... lb. .07¾- .08
Potassium, gran., bgs., works. 100 lbs. 4.05 - —
lump, dms., works....100 lbs. 4.80 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms..... lb. .20 - .21
hydrous, dms..... lb. .07¾- .08
Potash-chrome, dms..... lb. .17 - —
Sodium, dms., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l., works.....lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt equald. lb. .1550- —
cryst., dms., c.l., works... lb. .1030- —
l.c.l., works..... lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0369- —
l.c.l., works..... lb. .0435- .0960
tankcars, works..100 lbs. 2.80 - —
NF, gran., dms., works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .11¾- —
l.c.l., works lb. .12¾- —
Aluminum fluoride, fiber dms., 35c. per 100 lbs. higher.
Formate, basic solution, cbys lb. .09½- —
l.c.l., works... lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.60.00 - —
l.c.l., works ..... ton.65.00 -65.00
light bgs., dlvd ..... lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15% Al_2O_3 fib dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3 fib dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib., dms., works..lb. .82½- —
contract, works lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate precip., bbls lb .44 - —
Metal, 99%+ ingots, 10,000-lb lots, frt., alld lb. .20½- —
pigs, 10,000-lb. lots frt., alld., lb. .19½- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms. frt. alld lb. .14 - .15
kgs., frt. alld ..... lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
238-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld lb .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .26 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra-fine, dms lb. .59½- —
standard, dms lb. .41 - —
Powder, lining, extra fine, dms.lb. .97½- —
standard dms lb. .68½- —
rubber grade, dms lb. .58½- —
unpolished, standard, dms .. lb. .54½- —
varnish standard, dms lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100-lb. dm., 1½c per lb for 50-lb dm., 3c per lb. for 10-lb. can and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, dibasic, ctns., c.l. lb .33 - —
ton lots or less..... lb .34 - —
monobasic, ctns., c.l..... lb .33 - —
ton lots or less..... lb .34 - —
tribasic, ctns., c.l ..... lb. .33 - —
ton lots or less.....lb. .34 - —

Aluminum sulphate, com'l, bulk, c.l., works..100 lbs. 1.65 - —
ground, bgs., works.....ton.33.00 - —
lump, bgs., works.....ton.36.00 - —
iron-free, bgs., c.l., works, frt. equald..100 lbs. 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works....lb. .13 - .15
powd., dms., works.....lb. .14 - .16
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -10.00
Ambrette seed, bgs.....lb. .65 - .66
Aminoazotoluene, bbls.....lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., dlvd..lb. .46½- —
l.c.l., dlvd.....lb. .47½- —
tanks, dlvd.....lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms. lb. 4.30 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.79.00 -82.00
pure, cyls., extra, zone 1... lb. .17 - .17¼
2 .....lb. .17 - .18
3 .....lb. .17 - .19
4 .....lb. .20 - .21
5 .....lb. .16 - .19
refrigeration tanks, works..ton.81.50 -84.50
Aqua (29.4%, NH_3), dms., c.l., dlvd., Met. area..100 lbs. 3.60 - —
l.c.l., works .....100 lbs. 4.00 - —
tanks, works, anhyd. basis..ton.86.00 -90.00
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 8.25 - —
l.c.l., same basis...100 lbs. 8.63 -11.15
white, gran., bgs., c.l., works. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 6.50 - —

Ammoniacal liquor, tankcars, works, anhyd. basis..ton.90.00 - —
Ammonium acetate, purified, dms.lb. .38 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld..lb. .80 - —
smaller lots, frt. alld.....lb. .81 - 1.05
Biborate, bbls., c.l., works...ton.312.00 - —
ton lots, ex whse.....ton.375.00 - —
less ton lots, ex whse...ton.380.00 - —
Bicarbonate, dom., dms., c.l., works..lb. .06 - —
l.c.l., works..... lb. .07 - —
imported, dms., l.c.l.....lb. .07¼- .08½
Bichromate, bbls., works.....lb. .34½- .38½
Bifluoride, dms., dlvd.....lb. .2035- .2160
Bromide, NF, gran., bbls.....lb. .38 - .39
dms. .....lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms....lb. .17¼- —
Citrate, dibasic, bbls .....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF dms.....lb. 2.40 - —
Iodide, NF, bots., jars.....gm. 4.01 - 4.13
Linoleate, 80%, dms., works..lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton.86.84 - —
domestic, bgs., western, works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va ton.51.00 - —

Ammonium oxalate, fine gran., dms. lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton 222 00 - —
ton lots, ex whse .... ton.285 50 - —
less ton lots, ex whse ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works..... lb. .50 - .76
Persulphate, kgs ..... lb. .38 - —
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis .. lb. .09 - —
dibasic, NF V bbls., dms lb. .45 - —
tech., bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis .... lb. .09 - —
Salicylate, NF dms. kgs .... lb 1.62 1.64
Silicofluoride, dms., works .... lb. .11 .12
Sulphamate, bbls., dms., works.lb. .18 .20
Sulphate, coke-oven, bulk, producing ovens ton.44.00 -49.50
synthetic, bgs., c.l., western, works ton.50.00 -54.50
bulk, works .....ton.47 00 -49.50
purified, dms., works .. lb. 07½ .08½
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works ton.211.50 - —
l.c.l., basis 100% works.ton.312 50 - —
tanks, dlvd or frt. alld ton.181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb. 19 .20
Thioglycollate, com'l, cbys., basis 100% lb. 1.60 - —
highly purified, cbys., basis 100% lb. 1.70 - 1.96

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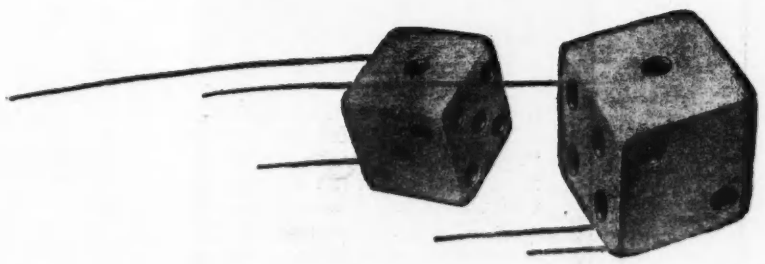

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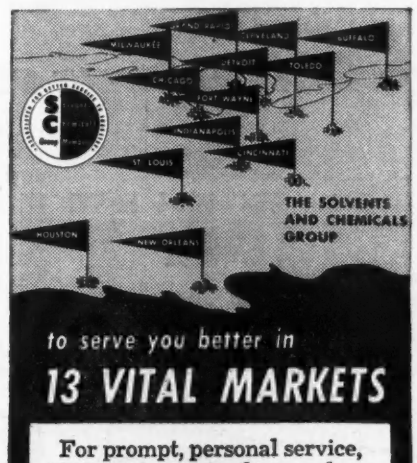
Ammonium Thiosulphate—Biotin

Ammonium thiosulphate, cryst., photo grade, fib. dms., frt. alld lb. .65 - —
60% solution, dms. c.l., works lb. .06½- —
Amphetamine hydrochloride dibasic, dextro, bots lb 32.00 - —
dextro-laevo dms lb 6.50 - 7.00
monobasic, dextro, bots lb 32.00 - —
Phosphate, dibasic, dextro, bots lb 32.00 - —
dextro-laevo dms lb 6.50 - 7.00
Sulphate, dextro, dms lb 32.00 - —
dextro-laevo dms lb 6.50 - 7.00
Amyl acetate ex fusel oil, tech., E of Rockies lb. .16¾- —
t.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
ex pentane dms. c.l. frt. alld. E of Rockies lb. .20 - —
t.c.l. same basis lb. .21 - —
tanks, same basis lb. .18 - —
Alcohol (see Alcohol amyl).
Butyrate dms lb. .90 - 1.05
Cinnamic aldehyde, dms lb. 1.70 - 2.10
Narite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .75 - .95
Anethol, NF, cns., cms lb. 1.00 - 1.50
Angelica root dom. bls lb. .60 - .70
imported bls lb. .50 - .60
Angostura bark, bls lb. .43 - .48
Anilin oil, dms., c.l., works, frt. alld. lb .19 - —
t.c.l., works, frt alld lb. .20 - —
tanks, works frt alld lb. .18 - —
Salt dms. frt alld lb. .30 - —
Anise, Balkan, bgs lb. .12¼- .13
Chinese, star, bgs lb. .68 Nom.
Czech, bgs lb. .12 - .12½
Mexican bgs lb. .14½- .15
Spanish, bgs lb. .17 - .17½
Syrian, bgs lb. .13½- .14
Turkish bgs lb. .13¼- .14
Anisic aldehyde, bots., dms lb 2.35 - 2.80
Annatto seed, whole, bgs lb. .26 - —
powdered dms lb. .28 - —
Anthracene, 90-95%, bbls., ton-lots, works lb. .80 - —
smaller lots, works lb. .85 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .85 - .88
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .34½- —
cases, c.l., mines lb. .35 - —
Oxide, bgs., c.l., frt. alld lb. .27½- .36
t.c.l., frt. alld lb. .29 - .39½
Sulphide, 62-64%, bgs. dlvd lb. .38 - .38½
Trichloride, pails, c.l., works lb. .43 - .47
t.c.l., works lb. .45 - .49
solution, cbys., works lb. .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene NF, dms lb 2.50 - 2.60
Apomorphine hydrochloride, USP, bots oz. 23.40 - 23.90
Areca nuts, powd., bbls. lb. .18 - .19
Arecoline hydrobromide, NF, bots. tins oz 5.00 - 5.75
Arginine monohydrochloride, laevo, dms. 1 kilo lots kilo 77.00 - —
Argols, min 50%, bgs., shipment ports, per 100 kilos, basis 100% lb. No prices.
Arnica flowers (true montana), bls. lb. .70 - .71
root, bls lb. 1.45 - —
Arrowroot, powd., bgs lb. .11 - .14
Arsenic metal, lump, bbls., prompt ship't lb. .80 - .90
Trioxide USP dms lb. .48 - —
White powd., bbls., c.l., dlvd lb. .05½- —
t.c.l. dlvd. lb. .06½- .07½
Asafetida, cs lb. .32 - .35
powd., bbls. dms lb. .50 - .53
Asbestine (see Talc, fibrous, N Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton 1,300.00 - —
No 2 c.l (20 tons) mines ton 675.00 - —
Run-of-mine, c.l. (20 tons), mines ton 556.00 - —
3K, c.l., (20 tons), mines ton 436.00 - —
3R, c.l. (20 tons), mines ton 371.00 - —
3T, c.l. (20 tons), mines ton 348.00 - —
5Z, c.l. (20 tons), mines ton 321.00 - —
4K, c.l. (20 tons), mines ton 173.00 - —
4M, c.l. (20 tons), mines ton 173.00 - —
4T, c.l. (20 tons), mines ton 156.00 - —
4Z, c.l. (20 tons), mines ton 156.00 - —
5D, c.l. (20 tons), mines ton 122.50 - —
5K, c.l. (20 tons), mines ton 122.50 - —
5M, c.l. (20 tons), mines ton 116.50 - —
5R, c.l. (20 tons), mines ton 110.00 - —
6D, c.l. (30 tons), mines ton 78.00 - —
7D, c.l., (30 tons) mines ton 68.50 - —
7F, c.l. (30 tons), mines ton 65.00 - —
7H, c.l. (30 tons), mines ton 55.00 - —
7K, c.l. (30 tons), mines ton 46.00 - —
7M, c.l. (30 tons), mines ton 40.00 - —
7R, c.l. (30 tons), mines ton 39.00 - —
7T, c.l. (30 tons), mines ton 37.00 - —
7RF, c.l., (30 tons), mines ton 40.00 - —
7TF, c.l. (30 tons), mines ton 40.00 - —
8S, c.l. (30 tons) mines ton 27.00 - —
Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.
Asphalt, gilsonite, black seconds, 300°-390°F. fusing point not uniform, bgs. c.l., Craig, Colo.; Heber City, Utah ton 34.00 - —
select, 350°F. fusing point, bgs., c.l., same basis ton 38.00 - —
270°-295°F. fusing point bgs., c.l., same basis ton 37.00 - —
lct. bgs., c.l. same basis ton 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion, tanks, tank-wagon refinery gal. .09½- .10
steam refd., less than 80 penetration, tanks, tankwagon, refinery ton 22.00 - —
80-300 penetration, tanks, tank-wagon, refinery ton 21.00 - —
Aspirin (see Acid, Acetylsalicylic.)
Atropine, USP, bots oz. 9.35 - 10.00
Sulphate, USP, bots oz. 4.50 - 5.00

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root bark, bags lb. .30 - .35
tree bark, bgs. lb. .40 - .45
Barbital, USP, 100-lb. dms lb 5.00 - —
Sodium, USP dms lb 5.25 - 5.27
Barium carbonate, precip., bgs., c.l., works ton 85.50 - —
smaller lots, works ton 95.50 - —
Chlorate, kgs., works lb. .34 - .38
Chloride, anhyd., bgs., c.l., works bgs ton 152.00 - —
t.c.l., works ton 162.00 - —
NF cryst., dms lb. .16 - —
Chromate, bgs., frt. equald lb. .30 - —
Dioxide (see Barium peroxide)
Hydrate, crystals, bgs ton 190.00 - 200.00
Iodide bots lb. 6.14 - —
Monoxide (see Oxide)
Nitrate, bbls., c.l., works lb. .12½- —
t.c.l., works lb. .14 - —

Barium oxide, grd., dms., c.l., works ton 250.00 - —
t.c.l., works ton 260.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, ctns., c.l. lb. .37 - —
ton lots lb. .38 - —
less ton lots lb. .39 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb. .14 - —
Sulphide, dms., c.l., works ton 71.50 - —
t.c.l., works ton 81.50 - —
Baryte ore, approx. 94%, $BaSO_4$, bulk, mines ton 9.40 - 12.50
Barytes, Southern off-color, bgs., mines ton 20.00 - —
95-75% bgs. mines ton 20.00 - —
water-grd., paper bgs., c.l., St. Louis ton 37.60 - 37.85
ex-whse., N. Y. ton 53.45 - 61.75
Bauxite, bulk, mines ton 9.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna, leaf, bls lb. .35 - .50
root, bls. lb. .35 - .40
Belladonna, leaf, bls lb. .32 - .35
Bentonite, dom., 200 mesh bgs., works ton 12.50 - —
imported, Italian, white, high gel., bgs., 10 tons to c.l., ex dock ton 65.90 - —
5 ton-lots, ex whse ton 77.80 - —
1 ton lots, ex whse ton 80.30 - —
low gel, bgs., 10 tons to c.l., ex dock ton 63.40 - —
5 ton-lots, ex whse ton 75.60 - —
1 ton lots, ex whse ton 78.10 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .49 - .80
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .0091- .01
t.c.l., works, gamma unit-lb. .015 - —
dust dry, distributors, dms., c.l., dlvd., gamma unit. lb. .015 - —
t.c.l., dlvd., gamma unit-lb. .020 - —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .025 - —
t.c.l., dlvd., gamma unit-lb. .0325- —
Benzidine base, bbls lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .94 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure, nitration, tanks, works, Bethlehem, Pa. gal. .38¾- —
Birmingham district gal. .30 - .38½
Chicago district gal. .30 - .36¾
Cleveland district gal. .30 - .35
Geneva, Utah gal. .30 - —
Johnstown, Pa. gal. .36¾- —
Lackawanna, N. Y. gal. .38¾- —
Lone Star, Texas gal. .37 - —
Lorain, Ohio gal. .30 - —
Minnequa, Colo gal. .35 - —
Philadelphia, Pa gal. .38¾- .39
Pittsburgh district gal. .30 - .36½
Sparrows Point, Md gal. .38¾- —
Syracuse, N. Y. gal. .38¾- —
Terre Haute, Ind gal. .36½- —
Wyandotte, Mich gal. .39 - —
Youngstown, Ohio gal. .35 - .36
Benzophenone, dms lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾- —
t.c.l., works lb. .47 - —
Benzotrichloride, cbys., frt. equald lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .21½- .24½
t.c.l., same basis lb. .22½- .25½
Peroxide, pure, fib. ctns., works lb 90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .65 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .72 - .80
Chloride, tech., cbys., c.l., works, frt. equald lb. .21 - —
t.c.l., same basis lb. .24 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns. lb. 3.00 - 3.75
Formate, cns. lb. 1.30 - 2.10
Propionate, bots lb. 1.35 - 1.80
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.68 - 2.00
Benzylisoeugenol, cns. lb. 8.60 - 9.10
Berberine bisulphate, cns lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Berberis root, bls lb. .32 - .35
Betagammapicoline, 5°, dms., c.l., works lb. .31 - .32½
t.c.l., works lb. .32 - .33
Betamethylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .78½- —
tech., bbls., c.l., works lb. .32½- —
t.c.l., works lb. .34½- —
Benzoate, fib dms., works lb. 3.00 - —
custom contract lb. 1.65 - 1.85
Salicylate, dms lb 5.00 - —
Sulphate, cns lb. 35.00 - 36.25
Betanaphthylamine, tech., bbls., works lb. 1.03 - 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.10 - —
smaller lots lb. 1.15 - 1.40
Betapicoline, 98%, dms., works lb. 1.05 - —
Beth root, bls lb. .40 - .41
Biotin, cryst., bots gram 10.00 - —



to serve you better in

13 VITAL MARKETS

For prompt, personal service, contact your nearby member of the Solvents and Chemicals Group. Most solvents you require are readily available from local stocks in drum, tank wagon, transport or tank cars. Whether it's a solvent for coatings, or for inks . . . or a solvent for cleaning, you get the right product from your Group member.

THE SOLVENTS AND CHEMICALS GROUP

OFFICES AND PLANTS IN

BUFFALO—BUFFALO SOLVENTS & CHEMICALS CORPORATION,
Box 73, Station B Bedford 1572

CHICAGO—CENTRAL SOLVENTS & CHEMICALS COMPANY,
2545 W. Congress St. SEeley 3-0505

CINCINNATI—AMSCO SOLVENTS & CHEMICALS COMPANY,
4619 Reading Road MElrose 1910

CLEVELAND—OHIO SOLVENTS & CHEMICALS COMPANY,
3470 W. 140th St. CLearwater 1-3770

DETROIT—WESTERN SOLVENTS & CHEMICALS COMPANY,
6472 Selkirk Ave. WAlnut 1-6350

FORT WAYNE—HOOSIER SOLVENTS & CHEMICALS CORPORATION,
Maumee & Bueter Rd. ANthony 0213

GRAND RAPIDS—WOLVERINE SOLVENTS & CHEMICALS COMPANY,
1500 Century S.W. Grand Rapids 5-9111

HOUSTON—TEXAS SOLVENTS & CHEMICALS COMPANY,
8501 Market St. Orchard 6683

INDIANAPOLIS—HOOSIER SOLVENTS & CHEMICALS CORPORATION,
1650 Luett St. ATlantic 1361

MILWAUKEE—WISCONSIN SOLVENTS & CHEMICALS CORPORATION,
1719 S. 83rd St. GReenfield 6-2630

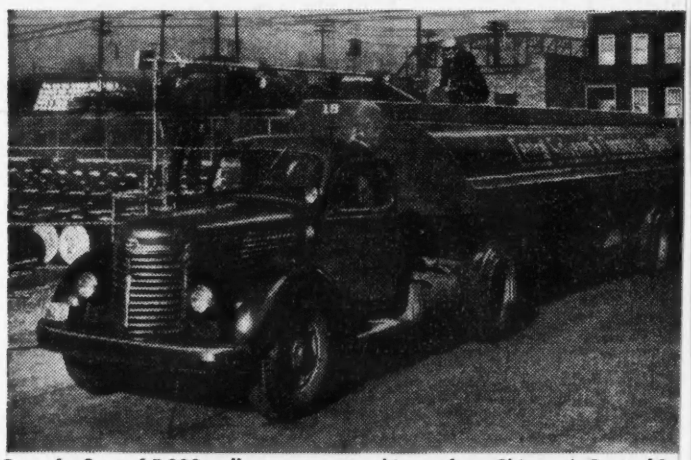
NEW ORLEANS—SOUTHERN SOLVENTS & CHEMICALS CORPORATION,
1352 Jefferson Hwy. Temple 4666

ST. LOUIS—MISSOURI SOLVENTS & CHEMICALS COMPANY,
419 DeSoto Ave GArfield 3495

TOLEDO—WESTERN SOLVENTS & CHEMICALS COMPANY,
Central & Reynolds Rd. Jordan 0761

SOURCES OF SUPPLY . . .

Speedy Service plu
Personal Attention



One of a fleet of 5,000 gallon transports—this one from Chicago's Central So

Personal attention is the one thing that customers value Unfortunately, a rapid growth in size usually reduces amount of personal attention available. This needn't b case, as illustrated by the 11 members of the Solven Chemicals Group. The Group . . . delivering millions of ga of solvents and tons of chemicals to industry throughou Midwest has licked the bugaboo of big company immob

The ability to move quickly, to meet each situati provided for by permitting each member to operate individual company. Yet, because of the tremendous d bution facilities available in key markets serving paint, working, graphic arts and chemical compounding indus many leading chemical producers have chosen the Gro represent them.

SPEEDY DELIVERY. One factor that most firms appr is the promptness in shipping which all members of the C offer. In most cases, orders are delivered within a 24 period. In cases where a product is not available locally ments frequently can be rushed from the nearest C member having adequate supplies. Thus, local shortage often be overcome in cases of emergency.

WIDE RANGE OF PRODUCT. The basic concept i Group's organization has been to provide a complete li products in its field. Among the many products avai Group members offer 9 chlorinated solvents in various g 14 aliphatic petroleum naphthas, 10 aromatic solvents a

Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.10 - —
Oxide, anhydrous, dms lb. 4.47 - 5.05
Oxychloride, dms lb. 4.37 - 4.42
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.29 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .16 - —
cs, l.c.l., ship't point lb. .20 - .22
Bone, dms., l.c.l., frt. alld lb. .15½ - .22
Pacific coast bone black prices, 2c. per lb. higher.
Carbon, channel, heads, bulk, c.l., works lb .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
l.c.l., dlvd. or whse lb. .10 - —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .06 - —
Charcoal (see C).
Graphite (see G).

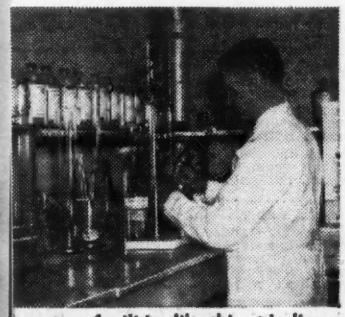
Black, iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0673
Black ash (see Barium sulphide).
Blackberry, root bark, bls lb. .32 - .33
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 - .70
tree bark, bls lb. .40 - .42
Black Indian hemp root, bls lb. .60 - .61
Blanc fixe, dry, by-product, bgs., c.l., works ton 100.00 - —
l.c.l., works ton 110.00 - —
direct process, bgs., c.l., works. ton 90.00 - —
l.c.l., works ton 100.00 - —
N. Y. whse ton 120.00 -130.00
pulp, 66⅔%, bbls., c.l., works. ton 84.00 - —
l.c.l., same basis ton 92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 5.75 - —
high-grade, unground, 16-17% ammon., bgs., Chicago unit-ton. 5.75 - —
soluble, bgs., c.l. lb. .16½ - .18
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .53 - .56
Blue, alkali dry, bbls., dlvd. N. or Tenn. and N. C., E of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.80 - 1.90
toner, bbls. litho flushed, same basis lb. 1.00 - 1.05

Blue, Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstated, PTMA bbls., same basis lb. 4.05 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, bbls, same basis, lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .45 - —
soluble, bbls, same basis lb. .48 - —
Soda, C.P., bronze, bbls., same basis lb. .45 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .28 - .30½
regular types, dry, bbls., same basis lb. .13 - .33½
Victoria toner, molybdic, PMA, bbls lb. 3.90 - —
tungstated, PTMA, bbls lb. 5.35 - —
Blue dry colors, dlvd prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .45 - .46
Bluestone (see Copper sulphate).

Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .11 - .13
Bonemeal, steamed, works, E. ton 75.00 - —
Bone phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic)
precipitated (see Calcium phosphate tribasic, NF, precip.).
Bones, raw, bulk, Atlantic ports ton 60.00 - —
Boneset leaves and tops, bls lb .17 - .20
Borage flowers, bls lb. .65 - .66
Borax, tech., annydrous, bgs., c.l., works ton 74.50 - —
ton lots, ex whse, N. Y. or Chi ton 120.25 - —
less ton lots, same basis ton 125.25 - —
bulk, c.l., works ton 67.50 - —
crystals, 99½%, bgs., c.l., works. ton 63.75 - —
ton lots, ex whse, N. Y. or Chi ton 109.50 - —
less ton lots, same basis ton 114.50 - —
bbls., c.l., works ton 88.25 - —
ton lots, ex whse, N. Y., or Chi ton 134.00 - —
less ton lots, same basis ton 139.00 - —
bulk, c.l. works ton 59.25 - —
granular, 99½%, bgs., c.l., works. ton 37.75 - —
less ton lots, same basis ton 88.50 - —
ton lots, ex whse., N. Y. or Chi ton 83.50 - —
bbls., c.l., works ton 62.25 - —
ton lots ex whse, N. Y. or Chi ton 108.00 - —
less ton lots, same basis ton 113.00 - —
bulk, c.l. works ton 33.25 - —
powder, 99½%, bgs., c.l., works ton 42.75 - —
ton lots, ex whse, N. Y. or Chi ton 88.50 - —
less ton lots, same basis ton 93.50 - —
bbls., c.l., works ton 67.25 - —
ton lots, ex whse., N. Y. or Chi ton 113.00 - —
less ton lots, same basis. ton 118.00 - —
bulk, c.l., works ton 38.25 - —
Borax packed in kgs, $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 .221
l.c.l. same basis lb. .171 .241
Borneol, crs. lb. 2.25 2.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulphur).
Bromine, purified cs. c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 2.60
cbys. lb. 1.52 —
Bromstyrol, bots lb 5.40 5.70
Bronze powder, aluminum (see A).
Gold, litho, cns., dms. works, lb. .75 .85
moulding, cns., dms., works lb. .85 1.00
printing ink cns., dms., works lb. 1.05 1.25
radiator, cns. dms. works lb. .80 .85
Broomtop, bls lb. .30 .33
Brown, iron oxide pure, bgs., c.l. works lb. .1275- —
l.c.l., works lb. .13 - —
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered bgs lb. .13 - —
Sienna, burnt, paper bags., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½ .15¼
raw, paper, bgs., c.l., works lb. .04½ .13
l.c.l., works lb. .04¾ .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼ - —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼ —
l.c.l., works lb. .06½ —
raw, American, bgs., works lb. .06¼ .06½
Turkey type bgs., works lb. .06¼ .06½
Vandyke bbls works lb. .11 —
Brucine, cns., 100-oz. lots oz. .25 - .35
Sulphate, NF, cns., 100-oz. lots oz. .20 - .30
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .38 - .40
Buckthorn bark, bls lb. .15 .17
cut and sifted, bls lb. .18 .23
Berries, bgs lb. .80 .90
Burdock root, bls lb. .22 - .26
Butadiene, cyls refinery lb. .22 - —
tanks, same basis lb. .12½ - —
Butane, indust, tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate fermentation, normal, dms., c.l., frt. alld lb. .14¾ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .13 - —
synthetic, normal, dms., c.l., dlvd. E. lb. .14¾ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .13 - —
secondary, dms., c.l., dlvd E. lb. .12½ - —
l.c.l., same basis lb. .13¼ - —
tanks, same basis lb. .10¾ - —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., dlvd lb. .22½ - —
l.c.l., dlvd. lb. .23½ - —
tanks, dlvd lb. .20¾ - —
Chloride, dms., c.l., works lb. .37½ - —
l.c.l., works lb. .38 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾ - —
l.c.l., same basis lb. .35¾ - —
tanks, same basis lb. .33 - —
Laurate, dms. works lb. .39 - —
Methacrylate normal, dms., less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate dms lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms. l.c.l., frt. equald lb. .24 .27¼
Butylamine (see Mono-, Di- or Tri-).
Butyric ether (see Ethyl butyrate).

C

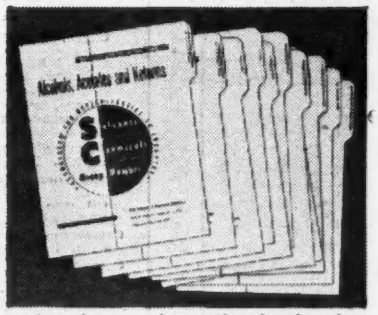
Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 5.56 6.75
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
Stearate, ton lots lb. 1.40 - 1.42
smaller, lots lb. 1.42 - 1.44
Caffeine, natural, USP, cryst., dms. 100 lbs. or more lb. 3.30 - —
anhydrous, dms. lb. 3.50 - —
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms., 100 lbs. or more lb 3.50 - —
Citrated, USP, dms., 100 lbs or more lb 2.35 - —
Calamine, USP, dms. lb. .24 - —



boratory facilities like this at Indianolis' Hoosier Solvents are used to ist with customers' problems as well maintain quality control.

Stake trucks and tank wagons (like these from Buffalo Solvents) provide speedy delivery of drum and bulk solvent . . . promptly pick up drums.

lers delivered within 24 hours in st cases . . from stocks as those at waukee's Wisconsin Solvents.



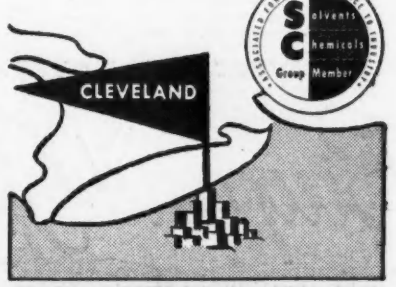
Like other members, Cleveland's Ohio Solvents offers a catalog system listing properties on all products marketed.

fferent plasticizers. Because of this wide range of product, roup members can select and suggest the specific product at will best meet the customer's need. Whether it's a solvent r coatings, or for inks . . . or a solvent for cleaning, you get e right product from your Group member.

JALITY CONTROL. Keeping abreast of new products and eeting customer problems has developed a unique set of cilities for the Group. Laboratory facilities are available t only to check incoming products but to offer technical sistance on solvents and chemicals on request. Laboratory sistance right in the market helps many salesmen whose mpanies are Solvents & Chemicals Group customers.

PER SERVICE. The specialized attention given by the oup has resulted in a constantly increasing demand by lustry. For the complete story of what the Group has to er your firm, readers are invited to call or write their arby Group member.

FOR BETTER SERVICE
CALL ON THE SOLVENTS & CHEMICAL GROUP
ALCOHOLS • ACETATES • KETONES • TERPENE SOLVENTS
WAXES • AROMATIC SOLVENTS • NAPHTHAS • CHLORINATED SOLVENTS • PLASTICIZERS • STEARATES
ROSINS • DETERGENTS • ALKALIES • GLYCOLS • AMINES



IN CLEVELAND, IT'S
OHIO
SOLVENTS & CHEMICALS COMPANY
A MEMBER OF THE SOLVENTS & CHEMICALS GROUP

In Cleveland, it's Ohio Solvents for speedy service . . . specialized attention. For over 19 years Ohio Solvents has provided the Cleveland area with solvents and chemicals from America's leading manufacturers. Whether you manufacture paints, lacquers,

adhesives or chemical specialties . . . whether you use solvents for metal cleaning, thinning inks or reducing organic coatings . . . whatever the application, Ohio Solvents will suggest a product most likely to meet your needs. If you are in the Cleveland area, call or write Ohio Solvents the next time you order.

OHIO
Solvents & Chemicals Company
3470 W. 140TH STREET
CLEVELAND 11, OHIO
Phone: CLearwater 1-3770

Calamus Root—Charcoal, Hardwood

Calamus root, dom., natural, bgs. lb. .25 - .30
imported, bleached, bls ..... lb. .70 Nom.
stripped, bls ..... lb. .30 - .40
Calciferol, cryst., vials, 1 kilo lots, works gram. .80 - —
25 to 100 gram lots, works, gram. .90 - .95
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd. 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse. works, frt., alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis ..... lb. .10 - .11
Bromide, NF, jars ..... lb. .90 - .92
Carbide, standard generator size, dms., c.l., dlvd ton. 134.40 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 25.00 - —
liquor, 40%, tankcars, works, frt. alld ton. 10.50 - —
pellets, bgs., c.l., works ton. 31.25 - —
powder, bgs., c.l., works .. ton. 35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton. 23.50 - —
l.c.l., works, same basis ton. 32.00 -69.00
USP, gran., bbls. ..... lb. .30 —
Chromate, bgs., frt. equald ... lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies, lb. .24 - .50
Calcium gluconate, AA, bbls., dms. lb. .65 - .74
USP, bbls., dms ..... lb .58 - .67
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works ..... lb. 2.20 - 4.00
Hydrochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies cs. 21.00 -23.00
100-lb. lots, same basis ... dm. 25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars ..... lb. 4.32 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works ..... lb. .41 - .48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¾- —
Nitrate, tech., bbls., works .. lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton. 49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted lb. 7.00 - —
smaller lots, same basis ... lb. 7.05 - 7.50
Phenolsulphonate, dms ..... lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. ..... 100 lbs. 7.60 - 7.95
feed grade, bgs., c.l., works ton. 90.00 - —
l.c.l., bgs., works ton. 95.00 - —
monobasic, bgs., 10,000-lb. lots, works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
l.c.l., works ..... 100 lbs. 7.45 - —
Phytate, bgs., works ..... lb. .28 - —
Calcium resinate, precip., dms., frt. alld., works .. lb. .27¾- —
Silicate, hydrated, bgs., c.l., works .. lb. .06 - —
l.c.l., works ..... lb. .06½- —
Stearate, ctns., c.l. ..... lb. .35 - —
ton lots ..... lb. .36 - —
less ton lots ..... lb. .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works .. lb. 2.65 - 3.75
Calendula flowers, bls ..... lb. .50 - .65
Calomel, USP powd. dms ..... lb. 4.02 - 4.05
Camphene, 46° m.p., dms., incl., c.l., works .. lb. .1930- —
l.c.l., same basis ..... lb. .1980- .2115
tanks, same basis ..... lb. .1660- —
Chlorinated 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs .. lb. 3.00 - 3.12
natural, USP, powd., 100-lb. lots, bbls lb. .50 - .52
tablets, 1-oz., ½-oz., cs .. lb. .63 - .65
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots ..... lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots .. lb. .57 - —
1,000-lb. lots ..... lb. .58 - —
smaller lots ..... lb. .59 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots ..... lb. .91 - —
smaller lots ..... lb. .92 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 .33
Cantharides, Chinese, cs ..... lb. 2.00 - 2.05
powd., bxs. ..... lb. 2.25 - 2.30
Russian, bgs. ..... lb. 4.00 - 4.05
powd., bxs. ..... lb. 4.35 - 4.40

BUSINESS *Leaders* THROUGHOUT THE NATION

Buy and Specify

Red Diamond CO_2

Roll of Honor
The Dow Chemical Company
The Hilton-Davis Chemical Company Division
Hoffmann-LaRoche, Inc.
Merck & Co., Inc.
Monsanto Chemical Company
Sharp & Dohme, Incorporated
Chas. Pfizer & Co., Inc.
The Upjohn Company
And many others!

"Liquid" is proud to number among its customers many of the Nation's business leaders—such as those listed here.

Dependable purity, security of supply, fast service and convenient availability from 102 distribution points across the nation—are some of the reasons leaders buy and specify Red Diamond CO_2.

Complete technical service is available on request.

CO_2 *in all its forms by* Liquid

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World's Largest Producers of CO_2
A National Network of Service

THE LIQUID CARBONIC CORPORATION
3100 So. Kedzie Ave., Chicago 23, Illinois

Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper, dms. lb. 4.25 - 5.75
from African pepper, dms. lb. 4.75 - 6.25
Caramel coloring, NF, bbls. gal. 1.05 - 1.20
Caraway seed, Dutch, bgs. lb. .09 - .09¼
Carbazole, 97%, bbls., ton lots, works lb. 1.25 - —
steel-dms., same basis lb. 1.20 - —
Carbinol, methylisobutyl, dms., c.l., dlvd. lb. .15¼- —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13¼- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .0700- —
l.c.l., same basis ..... lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
l.c.l., same basis ..... lb. .1050- —
tankcars, same basis ..... lb. .0490- —
Dioxide, industrial, wholesale, cyl. lb. .08 - —
Tetrachloride, CP, dms., works lb. .1097- .1197
NF, chys ..... lb. .17 - .18
tech., dms., c.l., E. of Rockies, frt. alld lb. .0847- —
W of Rockies, f.o.b. stock-points lb. .0897- —
l.c.l., E. of Rockies, frt. alld. lb. .1047- —
W of Rockies, f.o.b. stock-points lb. .1107- —
tanks, E. of Rockies, frt. alld. lb. .0772- —
W of Rockies, f.o.b. stock-points lb. .0822- —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ..... lb. 4.10 - 4.75
Cardamom fruit, bleached, cs. lb. 3.65 - 4.00
medium, cs ..... lb. 3.25 - 3.30
decorticated, Alleppey, cs. lb. 2.10 Nom.
Guatemalan, cs ..... lb. 2.10 - —
Mangalore type, cs ..... lb. 2.10 Nom.
green, Alleppey, bgs, afloat lb. 1.00 - —
Ceylon, bgs ..... lb. 1.55 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more, dlvd. lb. 5.50 - —
smaller lots, dlvd ..... lb. 5.65 - 6.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots. ..... lb. 6.25 - 9.65
Cascara sagrada bark, bulk ..... lb. .35 - .36
Casein, dom., acid-precip, standard, bgs., 10,000-lb lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .36½- .40
imported, Argentine, acid-precip., grd., 100-bg. lots or more, duty paid lb. .16¼- .17
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
ton lots, same basis .... lb. .23 - —
dm. lots, same basis .... lb. .25 - —
Cassia, Batavia, cuttings, bls. .... lb. .19 - .19¼
longstick ..... lb. .24 - .25
shortstick, bls ..... lb. .20 - .21
China, Canton, Kwangsi rolls, select, cs. lb. .40 - .45
broken, bls ..... lb. .35 - .36
Honan, Yunnan, scraped, bls. lb. .28 Nom.
unscraped, bls ..... lb. .27½ Nom.
Saigon, broken, bls ..... lb. .51 - .52
medium, bls., afloat ..... lb. .56 - —
thin, bls ..... lb. .58 Nom.
Cassia buds, bgs ..... lb. 1.65 - 1.70
Fistula, bskts ..... lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports .. long ton. 170.00 - —
Oil (see Oil, castor)
Pomace, bgs., c.l., works ... ton. 37.25 - —
Castoreum, artificial, cns ..... lb. 9.00 - 9.25
natural, cns ..... lb. 7.00 -30.00
Catechol, CP, cryst., fib. dms., works lb. 2.17½- —
resublimed dms., works ..... lb. 4.29½- —
Catnip leaves, southern, bls. .... lb. .65 - .70
Celery seed, French, bgs. ..... lb. .35 - .38
Indian, bgs. ..... lb. .26½- .27
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd. lb. .40 - .45
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .52 - —
l.c.l., same basis .. lb. .53 - .59
molding, composition, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .48 - —
l.c.l., same basis .. lb. .49 - .55
reprocessed black, dms., l.c.l., same basis .. lb. .43 - .49
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —
27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity same basis lb. .54 - —
50% butyryl content, standard cartons, works .. lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .64 - .71
reprocessed black, dms., l.c.l., same basis lb. .52 - .58
Triacetate, flake, ctns., works, frt. alld. on 100-lb. lots or more lb. .50 - —
Cerium hydrate, 74% CeO_2, fib. dms., 50-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 50-lb-lots or more lb. 1.60 - —
Oxalate, NF, bbls., bgs., works lb. No prices.
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 2.00
smaller lots, works .... lb. 1.90 - 2.10
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295- .035
l.c.l., ex whse ..... lb. .0395- .05
paint, bgs., c.l., works ..... ton. 40.50 - —
papermakers, bgs., c.l., works ton. 32.50 -40.00
rubber makers, bgs., c.l., works ton. 55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs. lb. .90 - .95
Roman, cs. ..... lb. .80 - .90
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works ..... lb. .26½- .32¼
smaller lots, works ..... lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works .. ton. 77.00 -88.00
granular, bgs., works ..... ton. 77.00 - —
bulk, c.l., works ..... ton. 70.40 - —

Charcoal, pinewood, gran., powd., bgs., c.l., works, South. ton 43.50 - —
l.c.l., works, South ..ton 43.50 -53.50
lump bgs., c.l., works, South.ton 40.00 - —
l.c.l., works, South ..... ton 50.00 -60.00
bulk, c.l., works, South ..ton 33.50 - —
Chestnut extract, 53% tannin, bbls., c.l., works..lb. .0510- —
l.c.l., works.....lb. .0543- —
tanks, works.....lb. .0425- .0440
powd., 60% tannin, bgs., extra, c.l., works..lb. .1092- —
l.c.l., works.....lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .24 - —
tanks, works .....lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots..lb. 1.30 - —
500-lb. lots .....lb. 1.33 - —
100-lb. lots or less.....lb. 1.25 - 1.40
Chloramine T, NF, bbls., works..lb. .75 - 1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld..lb. .63 - —
l.c.l., frt. alld.....lb. .66 - .73
refined, dms., c.l., frt. alld..lb. .75 - —
l.c.l., frt. alld.....lb. .76 - .83
Chlorinated paraffin, 42%, dms., c.l., frt. alld..lb. .14 - —
l.c.l. .....lb. .14¾- —
70%, dms., c.l., same basis.lb. .18 - —
l.c.l., same basis.....lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works..lb. .55 - —
l.c.l., works.....lb. .57 - —
125, 1,000 cps., ctns., c.l., works lb. .60 - —
l.c.l., works.....lb. .61 - .62
Chlorine, liquid, cyls., c.l.....lb. .08¾- —
l.c.l., N. Y. stock points..lb. .10¼- —
tanks, single units, works, frt. equald..100 lbs. 2.70 - —
W. of Rockies .....100 lbs. 2.82½- —
multiple units, 3 cars, works, frt.equald..100 lbs. 3.20 - —
2 cars, same basis..100 lbs. 3.80 - —
1 car, same basis....100 lbs. 4.40 - —
Chloroform, tech., dms., c.i., dlvd. E..lb. .18 - .182
l.c.l., same basis.....lb. .192 - .20
tanks, same basis.....lb. .17 - .171
USP, dms .....lb. .30 - .35
Chloro(4)-2-Toluidine, bbls.....lb. 1.38 - —
Chlorophyll oil, soluble, 4%, not fixed, tins, pails, works..lb. 4.25 - —
copper fixed, 6½%, tins, pails, works..lb. 4.25 - —
sodium-copper, dms., pails, aqueous sol., 4%, works. lb. 3.75 - —
8%, pails, dms., works. lb. 4.00 - 4.80
14%, dms., works....lb. 8.90 - —
concentrated, dom., 50%, dms., works, basis 100%..lb. 56.50 -60.00
75%, dms., works, basis 100%..lb. 60.00 - —
90%-100%, dms., works, basis 100% lb. 60.00 -67.00
imported, 60%, dms., basis 100%..lb. 60.00 - —
75%, dms, basis 100%..lb. 60.00 - —
90%, dms., basis 100%..lb. 60.00 - —
Chloropicrin, com'l, bots .....lb. 1.50 - —
cyls., 180 lbs., frt. alld.....lb. .95 - —
100 lbs., same basis.....lb. .97 - —
25 lbs., same basis.....lb. 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots..lb. 8.25 - 9.50
Choline bitartrate, fib. dms., frt. adjusted lb. 1.70 - 1.93
Chloride, fib. dms., frt., adjusted. lb. 1.70 - 1.93
Dihydrogen citrate, fib. dms., frt., adjusted..lb. 1.70 - 1.93
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks.
solut., 7½% bbls. works....lb. .08½- —
cbys. works .....lb. .10¼- —
8½%, bbls. works.....lb. .09 - —
cbys. works .....lb. .10¾- —
Fluoride, bbls., works .....lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls .....lb. .49 - —
Trioxide, NF, bots .....lb. .82 - .89
Yellow, (see Yellow, chrome).
Chrysarobin, USP, bots. .....lb. 6.50 - 8.00
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs. .....lb. .28 - .30
Cinchonidine, cryst., ctns 100 oz.-lots oz. .71 - .72
Sulphate, ctns., 100 oz.-lots ... oz. .37 - .40½
Cinchonine, cryst., ctns., 100 oz.-lots, oz. .52 - .57
Sulphate, NF, ctns., 100 oz.-lots oz. .27 - .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde NF ctns., dms .... lb 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls....lb. .25½- .26
"0000" bgs .....lb. .36 - —
Citral, bots., ctns .....lb. 3.20 - 3.75
Citronellal, bots., dms .....lb. 1.50 - 1.85
Citronellol bots., dms.....lb. 1.75 - 2.20
Civet, artificial, bots .....lb 13.75 -15.00
natural, bots.....oz. 3.50 - 7.00
Clay, ball, dom., crushed, bulk, Tennessee ton 10.00 -12.00
airfloated, bgs., c.l., Tennessee. ton 19.50 - —
purified, bgs., c.l., Tennessee. ton 20.50 - —
imported, lump, bulk, Atlantic port, long ton 27.00 -30.00
airfloated, bgs., c.l., Atlantic port, long ton 43.00 -45.00
pulverized, bgs., l.c.l., all ports ton 55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton 54.00 -56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton 11.50 -14.50
l.c.l., works ....ton 35.30 - —
bulk, c.l., works ton 8.50 -11.50
200 mesh, bgs., c.l., works ton 13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton 20.00 -40.00
powd., bgs., c.l., ex dock net ton 50.00 - —
l.c.l., ex whse....net ton 60.00 -65.00
Clove, Madagascar, bls.....lb. 1.62 Nom.
Zanzibar, bls.....lb. 1.63 - —
Clover tops, red, bgs.....lb .45 - .50
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt. alld.lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - —
technical high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. lb. .58 - —
less than 2,000 lbs., dlvd. E. lb. .62 - —
low vis., 80% purity, bgs., or fib. dms., 23,000 lbs. dlvd. E., basis 100%..lb. .41 - —
less than 23,000 lbs. dlvd. E., basis 100%..lb. .43 - —
62% purity, bgs., or fib. dms., c.l., dlvd. E., basis 100%, lb. .41 - —
l.c.l., dlvd. E., basis 100%, lb. .43 - —

CMC, tech., low vis., 58% purity, bgs., c.l., dlvd. E. basis net weight..lb. .34 - —
l.c.l., dlvd. E.....lb. .36 - —
47½% purity, c.l., dlvd., E., basis 100%..lb. .41 - —
l.c.l., dlvd. E.....lb. .43 - —
36½% purity, bgs., c.l., dlvd. E., basis net weight..lb. .13½- —
l.c.l., dlvd. E.....lb. .20 - —
Prices for technical grades of CMC West of the Rocky Mountains are 1c. per pound less than delivered E. prices.
Coaltar, crude, resale dms., c.l., ex-whse..gal. .275 - .3025
l.c.l., ex-whse.....gal. .285 - .3135
tanks, ex-whse.....gal. .154 - .165
refined, resale, dms., c.l., ex-whse..gal. .2850- .3135
l.c.l., ex-whse.....gal. .2950- .3245
tanks, ex-whse.....gal. .1650- .1760
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾- —
Carbonate, 48%, powd., bgs., dlvd lb. 1.92¼- —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.10½- —
Hydrate, 60-61% Co., bbls., dlvd.lb. 2.52 - —
Linoleate, fused, 8½% Co., dms.lb. .64½- —
liquid, 6% Co., dms .....lb. .53¼- —
Metal, 97.99% kgs., ex-whses. lb. 2.40 - —
Naphthenate, liquid, 6% Co., dms., lb. .42¾- —
Nitrate, 20.1% Co., bbls., dlvd lb. .99¼- —
Oxide, black, 70-71% Co., kgs lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs., dlvd lb. 1.57¾- —
Resinate, fused, 3% Co., dms lb. .27 - —
Sulphate, cryst., 21% Co., dms., dlvd lb. .81¾- —
monohydrated, 33% Co., dms. dlvd. lb. 1.28½- —

Cocaine, USP, ctns., 100-oz. lots oz. 15.00 - —
Hydrochloride, ctns. 100-oz. lots oz. 11.75 - —
Cochineal, USP, gray, bgs.....lb. .68 - .90
Cocillana bark, bgs.....lb. .16 - .17
Cocoa butter, bgs.....lb. .81 - —
Codeine, NF, ctns., 100-oz. lots....oz. 13.25 - —
Hydrochloride, ctns., 100-oz. lots.oz. 11.75 - —
Phosphate, USP, ctns., 100-oz. lots. oz. 10.25 - —
Sulphate, USP, ctns., 100-oz. lots.oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .25
Blue, bls.....lb. .19 - .24
Colchicine, USP, bots., ctns.....oz. 65.00 -70.00
Colchicum root, bls.....lb. .45 - .60
Seed, bgs .....lb. .80 - 1.10
Collodion, USP, dms.....lb. .32½- —
flexible, USP, dms.....lb. .34 - —
Colocynth pulp, bls .....lb. .30 - .35
Colombo root, bls., to arrive....lb. .20 Nom.
Coltstoot leaves, bgs .....lb. .25 - .30
Condurango bark, bgs.....lb. .17 - .18
Copaiba, balsam, ctns., dms....lb. .90 - 1.75
Copper acetate, bbls., c.l., works lb. .34¾- —
l.c.l., works.....lb. .35¾- —
Carbonate 55%, bgs., works ...lb. .22 - .23½
Chloride, anhyd., bbls., works..lb. .34½- —
crystals, bbls., works .....lb. .22¾- —
Cyanide, tech., bbls., 1,000-lb. lots or more..lb. .613 - —
less than 1,000-lb. lots....lb. .633 - —
Gluconate, ctns., dms.....lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .36 - .36½
Metal, electrolytic.....lb. .34½- .37½
Naphthenate, liquid, 8% Cu, dms., frt. alld..lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —

Copper oleate, solid, 9% Cu, dms., works..lb. .45 - —
Oxide, black, bbls., works ..lb. .39 - .40
red, com'l, bbls., c.l., works lb. .43 - .45¼
l.c.l., works.....lb. .44 - .45¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolinolate, fib. dms.....lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, bgs., ton lots, works..lb. .38½- .39½
less ton lots, works.....lb. .40½- —
Sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 8.95 - 9.35
l.c.l. .....100 lbs. 9.20 -10.95
CP, cryst., gran., bbls., works.lb. .1615- —
monohydrated, 35%, dms., c.l., works 100 lbs. 14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld..100-lbs. 25.60 - —
l.c.l., works .....100 lbs. 27.10 - —
USP, gran., cryst., dms..... lb. .1615- 2500
Undecylenate, dms. ..... lb. 2.90 - 3.00
Copperas, gran., bgs., c.l., works. ton 28.50 - —
l.c.l., dlvd. Metro area. 100 lbs. 3.00 - —
bbls., c.l., works.....ton 34.00 - —
bulk c.l., works.....ton 21.00 - —
Copra, Atlantic Gulf ports, c.i.f. ton 215.00 - —
Pacific ports, c.i.f.....ton 210.00 - —
Coriander seed, Argentine, bgs..lb. .13 - .13½
Czech, bgs .....lb. .07 - .07½
Moroccan, bgs. .....lb. .06 - .06½
Roumanian, bgs. .....lb. .08 Nom.
Corn sugar tanners, chipped, paper bgs., c.l. 60,000 lbs. min. 100 lbs. 7.31 - —
Syrup, 42°, dms., c.l.....100 lbs. 7.32 - —
l.c.l. .....100 lbs. 7.47 - —
Cornsilk, bls.....lb. .12 - .14

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The first liquid chlorine to be produced in commercial quantities, NIALK Liquid Chlorine has helped protect public health through the purification of drinking water for more than fifty years.

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NIAGATHAL® (TETRACHLORO PHTHALIC ANHYDRIDE)

Corrosive Sublimate, NF—Di-iso-octyl Phthalate

Corrosive sublimate, NF, cryst., dms., 50-lb. lots or more lb. 3.68 - —
gran. powd., dms., 50-lb. lots or more lb. 3.53 - —
Cottonroot bark, bls lb. .24 - .25
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.50 - —
Meal, 41% protein, sacked, Memphis ton 78.00 -80.00
Coumarin cryst., NF, cns lb 2.94 - 3.15
powd., cans lb. 3.20 - 3.25
Cramp bark, NF, bls lb. .80 - .90
Cranesbill root, bls lb. .40 - .41
Cream of tartar, NF, dom., gran. or powd., dms., c.l. lb. .32 - —
bbls., 5,000 lbs. one shipment lb. .32½- —
smaller lots, bbls., kgs. lb. .33 - .36
imported, kgs lb. .25 - —
Creosote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .22 - —
solution, 80%, tanks, works, gal. .2068- —
refined, dms., c.l., works gal. .3850- —
l.c.l., same basis gal. .4510- —
tanks, same basis gal. .2970- —
Wood, beechwood, cbys., dms. lb. 1.35 - 1.40
hardwood, bots., cbys lb. 1.05 - 1.10
pinewood, dms gal. .31 - .32
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret., dms., c.l., frt equald lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .1325- —
l.c.l., same basis lb. .1375- —
tanks, same basis lb. .120 - .1225
Cresol, USP, non-ret., dms., c.l., same basis lb. .143 - —
l.c.l., same basis lb. .146 - —
ret. dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —
Crotonaldehyde, 91-93%, l.c.l., works lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 10.50 - —
l.c.l., works 100 lbs. 11.25 -11.50
insecticide, dealers, bgs., c.l., dlvd 100 lbs. 15.25 - —
l.c.l., dlvd. 100 lbs. 16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .21 - —
Cubeb berries, XX, NF, bgs lb. .50 - .51
powd., cs. lb. .58 - .59
Culvers root, bbls lb. .60 - .61
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14½- .14¾
Moroccan, bgs lb. .22 Nom.
Syrian, bgs lb. .17 Nom.
Turkish, bgs lb. .14 - .14½
Cutch extract 55% tannin bgs. ex dock, duty extra lb. .08¼- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran. bgs., Niagara Falls, Ont., contract ton. 62.50 - —
pulv., 21% N, bgs., works unit ton. 2.90 - —
Cyclohexane, tech., 95%, dms., c.l., dlvd lb. .11 - —
l.c.l., dlvd. lb. .11¼- —
tanks, dlvd. lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E lb. .24¼- .37¼
l.c.l., works, same basis lb. .25¼- .38¼
tanks, works, same basis lb. .23¼- .36¼
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .41½- —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Cyclopropane CP 2 lb. cycls. works, cyl. 48.00 - —
6 oz. cycls. works cyl. 12.00 - —
USP, hospitals, cyls., 40 gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2, 4-D bbls., c.l., works, frt. equald, lb. .51 - —
l.c.l., same basis lb. .56 - .63
Isopropyl ester, dms., c.l., works, lb. .55 - —
l.c.l., works lb. .60 - .67
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
DDT, fiber dms., c.l., works, frt. equald lb. .23 - .26
smaller lots, same basis lb. .24 - .29
Decanol, normal, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Deertongue leaves, bls lb. .42 - .43
Defluorinated phosphate, 13% P, paper bgs., works ton. 49.25 - —
18½% P, paper bgs., works ton. 62.75 -63.75
Rock, 14½% P, paper bgs., works ton. 50.00 - —

Degras, common, bbls lb. .11 - .12
crude, centrifugal, bbls lb. .18 - .20
neutral, less 2% ffa, bbls lb. .30½- —
over 2% ffa., bbls lb. .30 - —
Derris root, 5% rotenone, powd., bbls. lb. .32 Nom.
Desoxyepnedrine hydrochloride, dextro, bots lb. 25.00 - —
dextro-laevo, bots lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y. 100 lbs. 8.95 - —
l.c.l. 100 lbs. 9.10 - —
canary paper bgs, c.l. 100 lbs. 8.69 - —
l.c.l. 100 lbs. 8.84 - —
dark, paper bgs., c.l. 100 lbs. 8.79 - —
l.c.l. 100 lbs. 8.94 - —
white, paper bgs., c.l. 100 lbs. 8.53 - —
l.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 4.60
laboratory grade, bots 100 grams. 4.50 - —
tech., bots, works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 52.00 -55.00
California ton. 42.00 -45.00
l.c.l., ex whse ton. 85.00 -90.00
purified, bgs., c.l., Atlantic coast ton. 65.00 —
California ton. 53.00 —
l.c.l., ex whse ton. 95.00 -100.00
Atlantic coast ton. 95.00 -100.00
imported, Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, CP, dms., c.l., works lb. .92 - —
l.c.l., works lb. .93¾- —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .35¾- —
l.c.l., same basis lb. .36¾- —
tanks, same basis lb. .34 - .34½
Sebacate, CP, dms., c.l., works. lb. .81¾- —
l.c.l., works lb. .82¼- —
tanks, works lb. .80 - —
tech., dms., c.l., works lb. .90 - —
l.c.l., works lb. .91 - —
tanks, works lb. .88¼- —
Tartarate, dms., works, frt. alld lb. .71 - —
Dibutylamine dms, c.l., dlvd lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .36¾- .38¾
l.c.l., dlvd lb. .37 - .39¾
tanks, dlvd lb. .35 - .37
Sebacate, dms., c.l., works lb. .68¼- —
l.c.l., works lb. .68¾- —
tanks, works lb. .66½- —
Dichloroaniln, dms., works lb. .75 - .82
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .46 - —
l.c.l., works lb. .46¾- —
tanks, works lb. .44½- —
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 - —
l.c.l., same basis lb. .61 - —
Dieldrin, dms., frt. alld lb. 2.00 - —
l.c.l., frt. alld lb. 2.40 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼- —
l.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
l.c.l., same basis lb. .47¾- —
tanks, same basis lb. .45 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .48¼- —
tanks, dlvd lb. .48½- —
Oxalate, dms., c.l., frt. alld lb. .41¾- —
l.c.l., same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .26¾- —
l.c.l., dlvd. lb. .27¾- —
tanks, dlvd. lb. .25 - —
Sulphate, dms., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50¼- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .48½- —
Diethylanilin, dms lb. .48 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼- —
l.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., l.c.l lb. .30½- —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30¼- —
Monoethylether, dms., c.l., dlvd. lb. .20¾- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
Monomethylether, dms., c.l., works lb. .24¾- —
l.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylethanolamine, dms., c.l., dlvd lb. .67½- —
l.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¾- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 115.00 -150.00
1 kilo lot kilo. 135.00 -150.00
Digitalis leaves, USP, dom., dms. lb. 1.05 - 1.10
Digitoxin, USP, bots gram. 6.50 - 8.00
Digiycol laurate, dms lb. .30½- .34
Oleate, dms lb. .28½- .29¼
Stearate, dms lb. .25 - .26½
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works lb. .77½- —
tanks, works lb. .74¾- —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin, either hydrochloride or sulphate, bulk. gram. .15 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms. lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .34¾- —
l.c.l dlvd. E lb. .35¾- —
tanks, dlvd., E lb. .33 - —
Di-isobutylene, dms., c.l., works lb. .09½- —
l.c.l., works lb. .10 - —
tanks, works lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .38¾- —
l.c.l., same basis lb. .39¾- —
tanks, same basis lb. .37 - —

MR. SOAPER!

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you're missing ½ of the market!

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MERCANTILE SECURITIES BUILDING, DALLAS 1, TEXAS

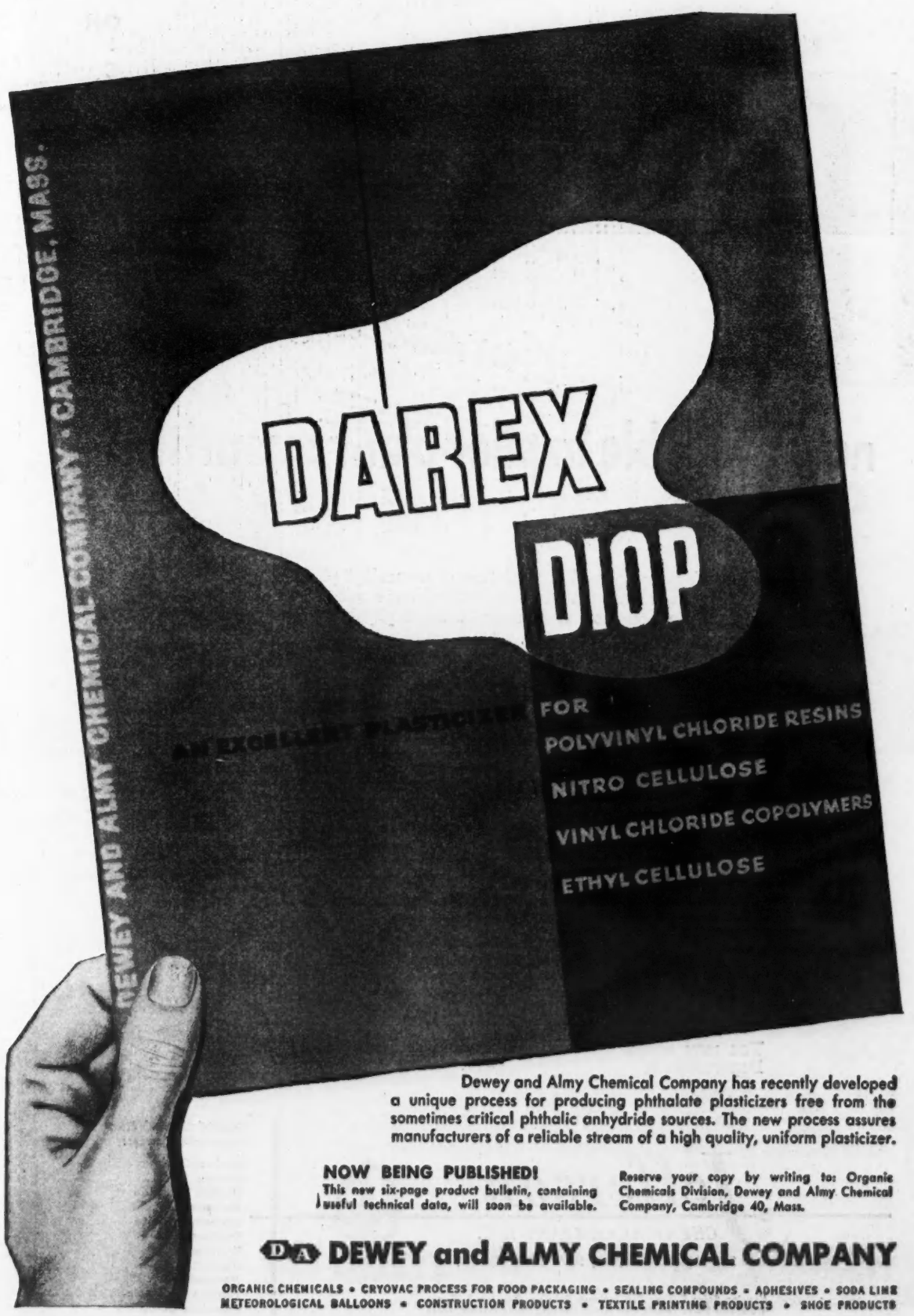
2618

Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .49¾ - —
l.c.l., same basis lb. .50¾ - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs. lb. .13 - —
natural, bgs. lb. .11 - .11½
Dimethyl anthranilate, cns lb. 5.50 - 5.90
Chloroacetal dms. c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Hydroquinone, dms. lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd. lb. .29¼ - —
l.c.l., dlvd. lb. .30¼ - —
tanks, dlvd. lb. .27½ - —
Sebacate, dms., c.l., works lb. 1.31¾ - —
l.c.l., works lb. 1.32¾ - —
tanks, works lb. 1.30 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l. works lb. .16 - —
10-gal. ret. dms., works lb. .16½ - —
Dimethylamine, 25-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l. works basis 100% lb. .37½ - .38½
tanks, works, basis, 100% lb. .33 - —
Dimethylanilin, dms., c.l., frt. alld. lb. .26 - —
l.c.l. frt alld lb. .27 - —
tanks, frt. allo lb. .25 - —
Dimethylethanolamine, anhydrous, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., basis 100%, lb. .54 - —
l.c.l. dlvd. lb. .55 - —
tanks, dlvd lb. .52¼ - —
Dimethylformamide, dms., works lb. .37 - —
tanks, works lb. .34 - —
Dinitroanilin dms. frt equald lb. .57 - —
Dinitrobenzene, crude, dms lb. .20 - —
purified, dms. lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼ - —
l.c.l., frt. alld. E lb. .15¾ - —
tanks, frt. alld. E lb. .13 - —
Dinitrophenol, bbls lb. .34 - —
Dinitrotoluene, oily, dms. lb. .10 - —
refined, dms. lb. .21 - —
Dioctyl adipate, dms. c.l., works lb. .44¾ - —
l.c.l. works lb. .45¾ - —
tanks, works lb. .43 - —
Phthalate, dms., c.l., frt. alld lb. .38¾ - .41¾
l.c.l. frt. alld lb. .39¾ - .42¾
tanks, frt. alld lb. .37 - .40
Diorthotolylguanidin, dms., ton lots, dlvd lb. .54 - —
smaller lots, dlvd lb. .55 - —
Dioxane, dms. c.l., works lb. .28¾ - —
l.c.l., same basis lb. .29¼ - —
tanks, same basis lb. .27 - —
Dip oil (see fat acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
l.c.l., works lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
l.c.l., works gal. .50 - —
whse gal. .68 - —
steam-dist., dms., c.l., works, South gal. .60 - —
l.c.l. works South gal. .69 - —
dlvd. N. Y. lb. .83 - —
Diphenyl, bbls, c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
Diphenyl, in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .65
Phthalate, dms., c.l., works lb. .51¾ - —
l.c.l., same basis lb. .53¾ - —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .25 - —
tech, tanks, works lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .44½ - —
smaller lots lb. .45½ - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld lb. .16¾ - .17
l.c.l., same basis lb. .17¾ - .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., dlvd. E lb. .20¾ - —
l.c.l., same basis lb. .21¾ - —
tanks, same basis lb. .19¼ - —
Di-secondary-amylphenol, dms., c.l., works lb. .30¼ - —
l.c.l., works lb. .33¼ - —
tanks, works lb. .28¼ - —
Di-tertiary-amylphenol, dms., c.l., works lb. .30¼ - —
l.c.l., works lb. .33¼ - —
tanks, works lb. .28¼ - —
Di-tertiary butylmetacresol, dms., c.l., works lb. .31 - —
l.c.l. works lb. .32 - —
tanks, works lb. .30 - —
Di-tertiary butylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock ton 70.00 - 72.00
Divinylbenzene, 20-25%, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, basis 100%, dms., c.l., works lb. 1.00 - —
l.c.l., works lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald lb. .14½ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .12½ - —
Doggrass root, dom., cut, bls lb. .26 - .28
imp., cut, bls lb. .25 - .30
Dogwood bark, Jamaica, bls lb. .11 - .13
Dragon's blood, mass, cs lb 1.25 - 1.30
reeds, cs lb. 1.40 - 1.45
Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb lots dlvd:—
Blue, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb 17.00 - 17.60
Green FD&C, No. 1, cns lb 17.00 - 17.60
No. 2, cns lb. 22.20 - 22.85
No. 3, cns lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns lb 3.65 - 3.75
No. 2 cns lb 4.65 - 4.75
Red, FD&C, No. 1, cns lb 7.55 - 7.85
No. 2, cns lb 4.00 - 4.10
No. 3, cns lb. 22.20 - 22.85
No. 4, cns lb 7.20 - 7.50
No. 32 cns lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 17.00 - 17.60
Yellow, FD&C, No. 1, cns lb 10.50 - 11.05
No. 3, cns lb 3.30 - 3.40
No. 4, cns lb 3.30 - 3.40
No. 5 cns lb 4.00 - 4.10
No. 6, cns lb 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Black, D&C, No. 1, cns lb. 10.95 - —
Blue, D&C, No. 9, cns lb. 16.10 - —
Brown, D&C, No. 1, cns lb. 16.10 - —
Green, D&C, No. 5, cns lb. 16.10 - —
No. 6, cns lb. 16.10 - —
No. 7 cns lb. 14.80 - —
Orange, D&C, No. 3, cns lb. 10.95 - —
No. 4, cns lb. 20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb. 20.70 - —
Red, D&C, No. 8, cns lb. 2.85 - —
No. 9, cns lb. 2.85 - —
No. 10 cns lb. 2.30 - —
No. 11, cns lb. 1.85 - —
No. 12, cns lb. 2.65 - —
No. 17, cns lb. 10.95 - —
No. 18, cns lb. 24.00 - —
No. 19, cns lb. 15.45 - —
No. 21, cns lb. 3.60 - —
No. 22, cns lb. 10.95 - —
No. 28, cns lb. 24.65 - —
No. 33, cns lb. 17.45 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns lb. 10.95 - —
No. 10, cns lb. 13.50 - —
No. 11, cns lb. 13.50 - —
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns lb. 16.10 - —
Green, Ext., D&C, No. 1, cns lb. 16.10 - —
Red, Ext., D&C, No. 1, cns lb. 13.50 - —
Yellow, Ext., D&C, No. 1 cns lb. 10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
20 Chrysoidine Y lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange B extra conc lb. 1.06 - —
57 Fuchsine 6B lb. .98 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .46 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc lb. .90 - —
179 Azo rubine XX conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc. lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Brown Y lb. .89 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3R conc lb. 2.03 - —
289 Navy blue 3R, conc., 125%, lb. 1.06 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .86 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, 5HD lb. .63 - —
406 Blue 2B extra, conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B, conc. lb. 1.18 - —
518 Diamine sky blue FF, extra, conc. lb. 1.50 - —
561 Trisulphon brown BCW, conc lb. 2.03 - —
581 Direct black E, double lb. .69 - —
593 Direct Green lb. .65 - —
596 Yellow Brown K extra lb. .83 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine, conc lb. 1.46 - —
655 Auramine, conc lb. 1.85 - —
657 Victoria Green sml. cryst. lb. 1.70 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B, conc lb 3.68 - —
671 Brilliant Blue, E lb. 1.70 - —
698 Formyl violet S4B lb. 1.58 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome blue, BBG lb. 1.88 - —
729 Victoria blue, B, conc lb. 2.79 - —
749 Rhodamine B, extra lb. 4.33 - —
814 Fast, yellow, NNL, conc., 175% lb. 3.11 - —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
841 Safranine T, extra, conc., 125% lb. 2.90 - —
865 Nigrosine, WSJ lb. .68 - —
922 Methylene blue, ZX lb. 1.55 - —
976 Sulphogene carbon, GXCF, grains lb. .32 - —
1034 Alizarin, red S, cnc lb. 2.59 - —
1054 Anthraquinone, blue, B lb. 2.91 - —
1078 Anthraquinone, green, G lb. 2.72 - —
1085 Alizarin, blue, black, B lb. 2.33 - —
1096 Indanthrene, golden orange, GFD, single paste lb. 2.00 - —
1099 Indanthrene, dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green N, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue BLNS double paste lb. 1.96 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
1171 Indigo, synthetic, 20% paste, lb. .28 - —
double paste lb. 3.35 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracene, brown, PGN, lb. 2.30 - —
p-14 Anthracene chromate brown, 2B lb. 1.31 - —
p-24 Benzo fast black L lb. 1.45 - —
p-80 Diazo brilliant scarlet ROA, lb. 2.79 - —
p-202 Diazo black VJ, conc lb. 1.58 - —



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DEWEY and ALMY CHEMICAL COMPANY

ORGANIC CHEMICALS • CRYOVAC PROCESS FOR FOOD PACKAGING • SEALING COMPOUNDS • ADHESIVES • SODA LIME
METEOROLOGICAL BALLOONS • CONSTRUCTION PRODUCTS • TEXTILE PRINTING PRODUCTS • SHOE PRODUCTS

Dyes, Coaltar, General Use, P-313—Fluorspar, Ceramic Grade

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.

p-313 Naphthol AS-SW	lb.	2.42	—
p-244 Celliton scarlet B	lb.	1.31	—
1078 Anthraquinone green G	lb	2.72	—
1085 Alizarin blue black B	lb	2.33	—

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works.

Black blue No. 550	lb.	.81	—
Jet No. 551	lb.	.89	—
Brown R, conc.	lb.	1.72	—
Orange R, brilliant	lb.	.90	—
Red 4 B, conc.	lb.	1.37	—
Yellow C	lb.	1.18	—
FN, conc.	lb.	1.22	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms, sellers works:—

Auramine O	lb	1.85	—
Black, basic blue	lb	1.21	—
Jet	lb	1.21	—
Blue, methylene, 2 B, conc.	lb.	1.55	—
Brown, Bismarck, R, conc	lb.	.96	—
Chrysodine, R, extra	lb.	.60	—
Y, extra	lb.	.64	—
Fuchsine, conc	lb	3.08	—
Green, malachite, conc	lb	2.10	—
Rhodamine B	lb	4.33	—
Safranine, Y, conc	lb.	2.90	—
Violet, methyl, B	lb.	1.10	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms., sellers' works:

Azo rubine R, extra, conc	lb.	1.04	—
Black, acid blue, B, extra	lb.	.96	—
Fast light, 3 G, extra	lb.	2.04	—
Methanil, conc	lb.	.91	—
Orange Acid, Y, conc	lb.	.47	—

Dyes, coaltar, for stains, water-soluble, 100-lb, dms., sellers' works.

Scarlet croceine, MOO	lb.	1.45	—
Yellow azo conc	lb.	.90	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c, higher; tins, 10c, higher.

E

Echinacea root, bls	lb.	.90	Nom.
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.06	1.08
Chinese, spot, bbls., duty paid	lb.	No stocks.	
tanners bbls	lb.	.06	.06½
Elder flowers, bright, bls	lb.	.30	.40
Elecampane root, bls	lb.	.23	.25
Elm bark, grinding, bls	lb.	.28	.29
powd., bbls., bxs	lb.	.46	.47
select, bundles	lb.	.60	.61
Emetine hydrochloride, USP, bots.,	oz.	35.00	42.85
Ephedrine, synthetic, USP, anhydrous bots., 100-oz lots	oz.	.98	1.00
hydrous, bots., 100-oz lots	oz.	.93	—
Hydrochloride, tin, 100-oz. lots	oz.	.75	—
Sulphate cryst., tins, 100-oz. lots	oz.	.72	—
powd., tins, 100-oz. lots	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.38¾	—
l.c.l., works	lb.	.39½	—
tanks, works	lb.	.37	—
Epinephrine, synth., USP, bots., 100 grams	gram.	.45	.88
Epsom salt, tech., bgs., c.l., works, 100 lbs.	100 lbs.	2.15	—
l.c.l., works	100 lbs.	2.90	5.15
Epsom salt, USP, cryst., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergosterol, unirradiated, cryst	kilo	150.00	—
Ergot, NF, dms., tin-lined	lb.	2.75	3.10
Eserine, bots	oz.	45.00	50.00
Salicylate USP, bots	oz.	32.50	34.00
Sulphate, bots	oz.	34.50	35.50

Ether acetate (see Ethyl acetate).

Butyl, dms., c.l., works	lb.	.31½	—
l.c.l., works	lb.	.32	—
tanks, works	lb.	.30	—
Butyric (see Ethyl butyrate).			
Dichloroethyl refd., dlvd, dms., c.l., E	lb.	.14	.14½
l.c.l., same basis	lb.	.15	.16
tanks, same basis	lb.	.13	—
technical, dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.13½	—
tanks, works	lb.	.12	—
Ethyl, absolute, ACS, dms	lb.	.37	—
anesthesia, USP, hospitals, 1-lb. cns	lb.	.89	—
½ lb cns	lb.	.97	—
¼ lb cns	lb.	1.05	—
solvent, USP, dms., c.l., dlvd	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—
tanks, same basis	lb.	.13¾	—
synthetic, dms., c.l., dlvd, E	lb.	.1575	—
l.c.l., same basis	lb.	.1675	—
tanks, same basis	lb.	.1375	—
Isopropyl, dms., c.l., dlvd	lb.	.0675	.0850
l.c.l., dlvd	lb.	.0750	.0936
tanks, dlvd	lb.	.05	.075
Nitrous, conc., bots., 100-lb. lots	lb.	1.28	1.35
Vinyl, USP, anesthesia, bots, 50 cc, hospitals	bot.	1.12	—
75 cc, hospitals	bot.	1.56	—

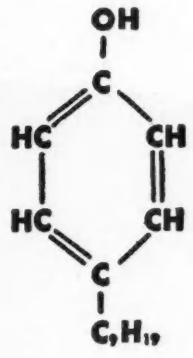
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld.

	lb.	.12¾	—
l.c.l., frt. alld	lb.	.13¾	—
tanks, frt. alld	lb.	.11	—
95-98%, dms., c.l., frt. alld.	lb.	.13	—
l.c.l., frt. alld	lb.	.13¾	—
tanks, frt. alld	lb.	.11¼	—
99%, dms., c.l., frt. alld	lb.	.13¼	—
l.c.l., frt. alld	lb.	14	—
tanks, frt. alld	lb.	.11½	—
NF, dms., frt. alld	lb.	.24	.25
synthetic, 85-90%, dms., c.l., dlvd	lb.	.12¾	—
l.c.l., dlvd	lb.	.13½	—
tanks, dlvd	lb.	.11	—
95-98%, dms., c.l., dlvd	lb.	.13	—
l.c.l., dlvd	lb.	.13¾	—
tanks, dlvd	lb.	.11¼	—
99%, dms., c.l., dlvd	lb.	.13¼	—
l.c.l., dlvd	lb.	.14	—
tanks, dlvd	lb.	.11½	—
Acetoacetate, dms., c.l., dlvd	lb.	.55	—
l.c.l., dlvd	lb.	.56½	—
Acrylate, dms., c.l., and truckload, works	lb.	.43½	—
less than truckload, works	lb.	.44	—
tanks, works	lb.	.42	—
Aminobenzate, USP (see Benzocaine)			
Benzoate, cns., dms	lb.	.74	.90
Bromide, tech., 98%, dms	lb.	.43	.47
Butyrate, works	lb.	.80	1.02
Carbamate (see Urethane).			
Chloride tech, dms, c.l., works.	lb.	.18	.20
cyls, c.l., same basis	lb.	.20	.22
tanks same basis	lb.	.10	—
USP, bbls, cyls	lb	22	.24
Cinnamate, cns	lb.	2.28	2.53
Formate, dms	lb	60	—
Gallate, dms., 100 to 2,000-lb. lots	lb.	3.90	4.40
Iodide bots., works	lb.	4.13	—
Lactate, dms., works	lb.	.47½	—
Methacrylate, dms., c.l., and truckload works	lb.	.50	—
less than truckload works	lb.	.50½	—
Nitrite (see Ether nitrous).			
Oenanthate, dms	lb.	1.00	1.50
Oleate, dms., l.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO, dms, works,	lb.	.60½	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylamine (see Mono-, Di- or Tri-)			
Ethylaniline (see Monoethylaniline)			
Ethylbenzene, 99%, dms., c.l	lb.	.14	.20¼
l.c.l.	lb.	.15	.21¼
tanks	lb.	.13	.18½
Ethylbutylketone, dms., c.l., works,	lb.	.33½	—
l.c.l., works	lb.	.34	—
tanks	lb.	.32	—
Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works	lb.	.70	—
smaller lots, works	lb.	.72	.80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works	lb.	.65	—
smaller lots	lb.	.67	.75
Ethylene dichloride, dms., c.l., dlvd, E	lb.	.11¾	—
l.c.l., same basis	lb.	.12¾	—
tanks, same basis	lb.	.10	—
Ethylene dichloride prices W. of Rockies, 1c per lb higher.			
Ethylene oxide, cyls., c.l., works	lb.	.26	—
l.c.l. works	lb.	.27	—
tanks, dlvd E	lb.	.19	—
Trichloride (see Trichloroethane).			
Ethylenediamine, 85-88%, basis 100% dms., c.l., dlvd, E	lb.	.46	—
l.c.l., dlvd, E	lb.	.47	—
tanks, dlvd, E	lb.	.44	—
Ethyleneglycol, dms., c.l., dlvd, E	lb.	.18¾	—
l.c.l. same basis	lb.	.19¾	—
tanks, same basis	lb.	.17	—
Monobutylether, dms., c.l., dlvd, E	lb.	.21½	—
l.c.l., dlvd, E	lb.	.22½	—
tanks, dlvd, E	lb.	.20	—
Monoethylether, dms., c.l., dlvd, E	lb.	.20	—
l.c.l., dlvd, E	lb.	.21	—
tanks, dlvd, E	lb.	.18½	—
Monoethylether acetate, dms., c.l., dlvd, E	lb.	.18¼	—
l.c.l., dlvd, E	lb.	.19¼	—
tanks, dlvd, E	lb.	.16½	—
Monomethylether, dms., c.l., dlvd, E	lb.	.21½	—
l.c.l., dlvd, E	lb.	.22½	—
tanks, dlvd, E	lb.	.20	—
Monomethylether acetate, dms., c.l., dlvd, E	lb.	.28¾	—
l.c.l., dlvd, E	lb.	.29¼	—
tanks, dlvd, E	lb.	.27	—
Monostearate, dms	lb.	.30	.37
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss	lb.	.42	—
l.c.l., same basis	lb.	.43	—
tanks, same basis	lb.	.40	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidin (see Monoethyl-orthotoluidin).			
Ethylvanillin, cns., 25-lb. lots	lb.	6.75	7.30
smaller lots	lb.	7.35	7.40
Eucalyptol, USP, cns., dms	lb.	1.45	1.70
Eucalyptus leaves, bls	lb.	.10	.11
Eugenol, pure, USP, bots	lb.	2.25	3.65
Euphorbia herb, bls	lb.	.14	.15

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	12.50
Pottery, bgs., ton lots, works	ton.	20.00	22.00
bulk, c.l., works	ton.	18.00	20.00
Fennel seed, Czech, dark, bgs	lb.	.17	.17½
French, bgs	lb.	.34	—
Syrian, light, bgs	lb.	.32	—
Fenugreek seed, Moroccan, bgs	lb.	.06½	—
Ferric-ammonium citrate (see Iron ammonium citrate).			
Ferric cacodylate (see Iron cacodylate).			
Ferric glycerophosphate (see Iron-glycerophosphate).			
Ferric hypophosphite (see Iron hypophosphite).			
Ferric sulphate (see Iron sulphate-ferric).			
Ferrous gluconate, NF, dms	lb.	.88	.97
Fir balsam, Canada, cns	gal.	31.00	32.00
Oregon, bbls	gal.	3.25	3.30
Fishberries, bgs	lb.	.17	.21
Fishliver oil (see Oil, fishliver).			
Fishmeal ground, domestic, 60% protein, bulk, Balto area	ton.	135.60	—
Fishscrap, dried 60% protein, bulk, Balto area	ton.	129.60	—
Fluorspar, dom., acid grade, bulk, c.l., mine	ton.	60.00	—
ceramic grade, 93-96% CaF_2, grd., bulk, mine, c.l.	ton.	57.50	—
85-92% CaF_2, grd., bulk, mine.	ton.	47.00	—

NONYL PHENOL



Commercial

now available in ~~pilot-plant~~ quantities

Description:

Jefferson's nonyl phenol is a mixture of monoalkyl phenols, predominantly para substituted and is a clear viscous liquid. The side chains are isomeric branched alkyl radicals. Some physical properties of a representative sample are:

Specific gravity, 20/4°C	0.949
Hydroxyl number	255
Color, Pt-Co scale	200
Refractive index, 20°C	1.5140
Flash point (TOC), °F	300
Pour point, °C	2
Distillation range, °C	
IBP	290
5 ml.	293
95 ml.	297
EP	301

Suggested Uses:

1. An intermediate for non-ionic detergents
2. A stabilizer for ethyl cellulose
3. A plasticizer for cellulose esters
4. An intermediate for other plasticizers
5. A starting material for production of lubricating oil additives and rubber chemicals
6. An antioxidant

You may secure technical information and samples by writing to Department A.

Jefferson CHEMICAL COMPANY, INC.
260 MADISON AVENUE, NEW YORK 16, N. Y.

Houston Sales Office: 318 Melrose Building, Houston 2, Texas
Warehouse Stores: Tenafly, New Jersey; Chicago, Illinois; Houston, Texas

Essential Chemicals From Hydrocarbon Sources:

Ethylene Oxide
Ethylene Glycol
Ethylene Dichloride
Diethylene Glycol
Monoethanolamine
Diethanolamine
Triethanolamine
Nonyl Phenol
Morpholine
Ethylene Carbonate
Propylene Carbonate

Fluorspar, metallurgical grade, briquetts, pellets, 65%, CaF$_2$, bulk, works ton.34.00 - —
lump, 59-65% effective CaF$_2$, bulk, mine, c.l. ton.40.00 - —
washed gravel, 59-60% effective CaF$_2$, bulk, mine, c.l. ton.40.00 - —
60-65% effective CaF$_2$, bulk, mine ton.40.00 -41.00
65-70% effective CaF$_2$, bulk, mine, c.l. ton.42.00 - —
70% or better, effective CaF$_2$, bulk, mine, c.l. ton.43.00 - —
imported, bulk, ex dock, New York ton.37.00 Nom.

Formaldehyde, NF (inhibited), dms., c.l., E., works lb. .066 - —
l.c.l., E. works lb. .071 - —
tanks, E. works lb. .0420- —
methanol-free (uninhibited), tanks, works lb. .0395- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed?).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton.38.50 - —
Illinois mines ton.37.20 - —
spent, bulk, Bayonne ton. 2.00 - 4.00
imported, bgs., c.l. ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .15 - —
tanks, works lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd lb. .16¾- .17¼
l.c.l., dlvd lb. .17½- .18
tanks, dlvd lb. .15 - .15½
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l lb. .45½- —
No. 3, bbls., l.c.l lb. .43½- —
liquid, No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls., l.c.l lb. .21½- —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .45 - —

G

G salt, bbls., frt. alld lb. .73 - —
Galangal root, bls lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. No stocks.
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1073- —
N. Y. Harbor, 86 octane, tanks gal. .1285- .138
Group 3, 82 octane, tanks gal. .10375- .1062
Gulf coast, 82 octane, tanks gal. .1125- .1150
Penn., western U. S. motor, 86 octane, tanks gal. .1275- .129
natural, group 3, 26-70 octane, tanks gal. .06875- —
Gelatin, edible pure, (pork skin), 75 Bloom test, c.l. lb. .57 - —
150 Bloom test, c.l. lb. .65 - .66
200 Bloom test, c.l. lb. .71 - .72
225 Bloom test, c.l. lb. .74 - .75
275 Bloom test, c.l. lb. .82 - .85
silver label, imp., cs lb. 1.25 - —
Geisemium root, bls lb. .26 - .27
Gentian root, bls lb. .17 - .18
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms. lb. 1.40 - 1.70
standard, cns., dms lb. .60 - .75
Geranyl acetate, cns lb. 1.30 - 1.80
Ginger, oleoresin, NF, from African roots, bots lb. 4.00 - 7.75
from Jamaican root, bls lb. 5.00 -12.75
Root, African, bls lb. .12 - —
Cochin, unbleached, bgs lb. .18½- —
Jamaica, No. 1, bgs lb. .24 - —
No. 2, bgs lb. .16 - .16½
No. 3, bgs lb. .15 - .15¼
Rhattoon, bgs. lb. .14 Nom.
Nigerian, split, bgs lb. .10 - —
Ginseng root, cs lb.16.50 -17.00
Glauber's salt, anhyd (see Sodium sulphate).
Glue, bone, extracted, 65 jellygrams, bgs., c.l., dlvd lb. .24¼- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
164 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
222 jellygrams, same basis lb. .28 - —
packers' 40 jellygrams, bgs., c.l., dlvd lb. .21½- —
65 jellygrams, same basis lb. .22½- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers' 110 jellygrams, bgs., c.l., dlvd lb. .22 - —
150 jellygrams, same basis lb. .23 - —
190 jellygrams, same basis lb. .24 - —
bone glue, l.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., cs., dlvd lb. .26 - —
95-121, bgs., c.l., dlvd lb. .27½- .28
122-149, bgs., c.l., dlvd lb. .29 - .29¼
150-177, bgs., c.l., dlvd lb. .30 - .31
178-206, bgs., c.l., dlvd lb. .31 - .32
207-236, bgs., c.l., dlvd lb. .32 - .33
237-266, bgs., c.l., dlvd lb. .33 - .34
267-296, bgs., c.l., dlvd lb. .34 - .35
299-330, bgs., c.l., dlvd lb. .35 - .36
331-362, bgs., c.l., dlvd lb. .36 - .37
363-394, bgs., c.l., dlvd lb. .37 - .38
395-427, bgs., c.l., dlvd lb. .38 - .39
428-460, bgs., c.l., dlvd lb. .40 - .41
461-494, bgs., c.l., dlvd lb. .41 - .43
495-529, bgs., c.l., dlvd lb. .42 - .45
Hide glue l.c.l. prices 1c. higher than c.l.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .34 - —
soaplye, 80%, tanks, dlvd lb. .31 - —
dynamite, dms., c.l., dlvd lb. .43¾- —
l.c.l., dlvd lb. .44¼- —
tanks, dlvd lb. .43¼- —
high gravity, dms., c.l., dlvd lb. .44 - —
l.c.l., dlvd lb. .44½- —
tanks, dlvd lb. .43½- —
refined BP, 98%, dms., c.l., dlvd lb. .45⅞- —
l.c.l., dlvd lb. .46⅜- —
tanks, dlvd lb. .45⅜- —
USP, CP, 95%, dms., c.l., dlvd. lb. .44½- —
l.c.l., dlvd lb. .45 - —
tanks, dlvd lb. .44 - —
yellow, distilled, dms., c.l., dlvd. lb. .43¾- —
l.c.l., dlvd lb. .44⅜- —
tanks, dlvd. lb. .43⅜- —
Glycine, USP, (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz.22.50 -23.00
acid-yellow, bots oz.20.00 -20.50
Golden seal root, NF, tested, bls., lb. 3.00 - 3.05
powd., bxs lb. 3.25 - 3.30
Grains of paradise, bgs lb. .34 Nom.

Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .05 - .09½
crystalline, 88-90% powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .44½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex. whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd lb. .03¼- —
house lb. .03⅜- —
white, choice lb. .04⅜- —
yellow lb. .04 - —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .37 - —
31-50%, bbls., same basis. lb. .37 - .38
50-60%, bbls., same basis. lb. .40 - —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Green, chromium oxide, hydrated, bbls., dms., c.l., frt. alld. lb. .95 - 1.20
pure, c.l., bgs., frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Paris (see Paris green).
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated, bbls lb. 4.00 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
Grindelia robusta herb, bls lb. .38 - .40
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lb. .49 - .51
Guaiacol, cryst., tins lb. 1.90 - —
liquid, NF, bots., cbys lb. 2.15 - 2.20
Carbonate, dms lb. 3.15 - 3.20
Guarana, powd., cs lb. 2.00 - —
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs lb. .55 - .65
Arabic, amber sorts, bgs lb. .13½- .15
powdered, USP, bbls lb. .19 - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .36 - .42
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld lb. .80 - —
smaller lots same basis lb. .82 - —
Copal, Congo, No. 1, bgs lb. .21 - .23
No. 2, bgs lb. .19 - .20
No. 3, bgs lb. .17½- .18½

Fluorspar, Metallurgical Grade—Gum, Ester

Gum, copal, Manila, loba B, bgs. lb. No prices.
C, bgs lb. .27 - .32
CBB, bgs lb. .22 - .23
CNE, bgs lb. No prices.
DBB, bgs lb. .14 - .18
DK, bgs lb. .13 - .15
dust, bgs lb. .11 - .12½
soft, MA, bgs lb. .13 - .16
WS, bgs lb. .27 - .35
Philippine, pale, chips, bgs lb. .18 - .25
nubs, bgs lb. .27 - .32
seeds, bgs lb. .15 - .21
sorts, bgs lb. .18 - .22
Pontianak, chips, bgs lb. .22 - .26
nubs, bgs lb. .36 - .40
Dammar, Batavia, A/E bgs lb. .24 - .26
dust, bgs lb. .14 - .16
E., bgs lb. .16 - .18
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs lb. .08 - .10
black, bold bgs lb. .14½- .16
unscraped, bgs lb. .12 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13 - .14
nubs, bgs lb. .19 - .20
Singapore, No. 1, bgs lb. .35 - .38
No. 2, bgs lb. .29 - .32
No. 3, bgs lb. .16 - .17
dust, bgs lb. .14 - .16
seeds, bgs lb. .16 - .18
Ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .14 - .14½
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc lb. .14 - —

For over 57 years, Carter's has used Glycerine to keep stamp pads moist and free from "stick"... to dissolve and stabilize the materials in Carter's Rubber Stamp Ink. How well does it do the job? Carter's famous "Pump Action" stamp pads, which are guaranteed for 100,000 impressions, outsell all other makes!

Stamp pad inks for all purposes and all types of surfaces present some of the most difficult technical problems in ink-making. Carter's chemists originally selected Glycerine for its unusual combination of properties in making a stamping ink for marking paper and other absorbent materials. Glycerine's humectancy keeps pads from caking. Glycerine acts as a solvent for the dyestuffs and other ingredients in the ink. And Glycerine is non-reactive . . . won't cause rubber stamps to deteriorate . . . actually lengthens the shelf life of both pads and inks.

In hundreds of other applications in other fields, too—as a softener . . . emollient . . . preservative . . . lubricant . . . anti-freeze, Glycerine provides an unmatched balance of properties, ready acceptance, and established freedom from toxicity. For your copy of an informative booklet on Glycerine properties and uses entitled "Why Glycerine?", write Glycerine Producers' Association, 295 Madison Avenue, New York 17, N. Y.

Nothing takes the place of Glycerine

Gum, Euphorbium—Isoquinolin

Gum, euphorbium, cs ..... lb. .55 - .60
Galbanum, cs ..... lb. .75 - .80
Gamboge, pipe, cs ..... lb. .90 - 1.00
powd., bbls ..... lb. .90 - 1.20
Ghatti, No. 2, bgs ..... lb. .35 - .37
No. 3, bgs ..... lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls. lb. .30 - .35
No. 2, bbls ..... lb. .28 - .29
No. 3, bbls ..... lb. .22 - .23
Kauri, bgs ..... lb. .30 - .50
Kino, cs ..... lb. 1.15 - 2.40
Locust bean, powd., bgs ..... lb. .30 - .32
Mastic, cs ..... lb. 2.00 - 2.10
Myrrh, cs ..... lb. .30 - .35
Olibanum, siftings, cs ..... lb. .16 - .18
tears, cs ..... lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks. ..... lb. 3.50 - 4.00
Scammony, cs. ..... lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs ..... lb. .10 - .11
Tragacanth, No. 1, cs ..... lb. 2.85 - 2.90
No. 2, cs ..... lb. 2.45 - 2.50
No 3, cs ..... lb. 1.60 - 1.70
powdered, USP, bbls ..... lb. 1.25 - 1.35
Yacca, bgs ..... lb. .06 - —
Gypsum, anhydrous filler paper bgs., c.l., Medicine Lodge Kan ton.19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton.18.30 - —
Harlem river, N. Y., frt. equald ton.17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.00 - —
Gypsum, stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton.14.40 - —
Harlem River, N. Y. ton.14.40 - —
Imported, English, paper bgs., ex dock ton.48.00 - —
ex warehouse ton.53.00 - 56.00

H

Hawthorn berries, bgs ..... lb. .30 - .32
Hellotropine, cryst., cns ..... lb. 3.10 - 3.43
Helonias root, bls ..... lb. 1.65 - 1.70
Hellebore root, dom., green, bls. lb. .60 - .65
imp., black, whole, bls ..... lb. .25 - .30
ground, bxs ..... lb. .30 - .35
powder, bxs ..... lb. .32 - .37
white, whole, bls ..... lb. .25 - .30
powder, bxs ..... lb. .35 - .45
Hematine extract, cryst, No. 1, bbls., l.c.l. ..... lb. .47 - —
No. 2, bbls., l.c.l. ..... lb. .43 - —
No. 3, bbls., l.c.l. ..... lb. .41 - —
No. 4, bbls., l.c.l. ..... lb. .39 - —
No 5, bbls., l.c.l. ..... lb. .37 - —
paste, No. 1, bbls., l.c.l. ..... lb. .20½ - —
Henbane leaves, bls ..... lb. .35 - .40
Henna leaves, bls ..... lb. .18 - .20
powd., bbls., bgs ..... lb. .26 - .28
Heptane, industrial, Bayonne, N. J., tanks gal. .13 - —
group 3, tanks ..... gal. .1375 - .1405
Hesperidin methylchalcone, bots., works lb.50.00 - —
Hexachlorophene, dms ..... lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fb. dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis lb. .249 - —
USP, dms., 500 lbs. or more, same basis lb. .40½ - —
smaller lots, same basis ... lb. .41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .13 - —
Group 3, tanks ..... gal. .145 - .148
Hexanol, normal, dms., c.l., works. lb. .34½ - —
l.c.l., works ..... lb. .35 - —
tanks, works ..... lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - 7.50
Salicylate, dms ..... lb. 1.78 - —
Hexylenеglycol, dms., c.l., dlvd lb. .15¾ - —
l.c.l., dlvd ..... lb. .16½ - —
tanks, dlvd ..... lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., dlvd., 50-lb. lots or more lb.15.00 -16.00
smaller lots, dlvd ..... lb.16.00 -17.00
Histamine diphosphate, USP., bots. kilo.450.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo.80.00 -85.00
1-8 kilo lots works ..... kilo.90.00 -95.00
Homatropine hydrobromide, USP, bots oz.13.75 -14.00
Hydrochloride, bots ..... oz.20.00 -22.00
Methylbromide, USP, bots .... oz.13.00 -14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 6.75 - —
Hops, NF, bls ..... lb. .30 - .35
Horehound herb, bls ..... lb. .14 - .15
Hydrangea root, bls ..... lb. .22 - .25
Hydrastine, bots ..... oz.29.50 -31.00
Hydrochloride, NF, bots ..... oz.29.50 -31.00
Sulphate bots ..... oz.35.00 -37.00
Hydrastinine, 10-grain bots .... bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls lb. 4.50 - 5.25
Hydrate, 100% ret. dms., Niagara Falls lb. 3.00 - 3.50
85% same basis lb. 2.55 - 3.00
Hydroturamide, dms. fib. ctns., works lb. .30 - .40
Hydrogen chloride anhyd., 50-lb. cyl., works lb. .55 - .60
Peroxide, USP bbls. dlvd .... lb. .03¾ - .05
35%, cbys., same basis ..... lb. .217 - .242
dms., c.l. same basis .... lb. .21 - —
l.c.l., same basis .... lb. .215 - .24
tanks .... lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photogrd., bbls., dms. lb. .93 - 1.00
tech., dms., c.l., frt. equald lb. .77 - —
l.c.l., frt. equald ..... lb. .78 - —
Hydroxycitronellal, cns ..... lb. 5.35 - 5.50
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots ..... oz.15.75 -16.00
Hydrobromide, bots ..... oz.16.50 -18.00
Sulphate, bots ..... oz.12.00 -13.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid, No. 1, bbls., l.c.l. .... lb. .35 - —
No. 2, bbls., l.c.l. ..... lb. .27 - —
Hyssop herb, bgs ..... lb. .35 - .36
Leaves, bgs ..... lb. .50 - .51

I

Iceland moss, bgs ..... lb. .30 - .35
Ichthammol, NF dms ..... lb. .60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indol, CP bots ..... lb 17.00 -21.00
Inositol, dms., dlvd ..... lb. 5.60 - —
tins, dlvd ..... lb 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs ..... lb. 1.84 - 2.04
resublimed, USP, bots., jars lb. 2.35 - 2.78
Iodochlorohydroxyquin, USP, dms. lb. 6.90 - —
Iodoform, NF, dms., kgs ..... lb 4.70 - 4.85
Ionone alpha, cns ..... lb. 3.75 - 3.15
Beta, cns ..... lb. 4.30 -11.25
Methyl, dms., cns ..... lb. 3.80 - 8.40
Ipecac root, bgs ..... lb. 5.50 - 6.00
powd., bbls., bxs ..... lb. 6.00 - 6.35
Irish moss, bleached, prime, bls. lb. .30 - .35
Iron acetate liquor, 58°, bbls., c.l., works lb. .09 - —
l.c.l., works ..... lb. .09¾ - —
solut., USP, IX, cbys ..... lb. .16 - —
dms ..... lb 17 - —
Cacodylate, NF, bots ..... lb.13.00 -14.00
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 6.25 - —
l.c.l., works ..... 100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
l.c.l., works 100 lbs. 5.75 - 6.75
USP, dms., works ..... lb. .07½ - .09
solut., 42° Be, basis 100% cbys., c.l., works 100 lbs. 7.25 - 8.25
l.c.l., works 100 lbs. 7.75 -10.75
tanks, works .... 100 lbs. 3.45 - —
Citrate, gran., dms ..... lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF powd. lb. 4.45 - 4.55
Hypophosphite, NF, dms ..... lb 2.80 - —
Iodide bgs ..... lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾ - —
Oxalate, gran., dms ..... lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms lb. .78 - .81
Reduced, NF, kgs ..... lb. .90 - .95
Resinate, 6.75% Fe, dms., frt. alld. lb. .26¼ - —
Stearate, dms., c.l ..... lb. .37 - —
ton lots ..... lb. .38 - —
less ton lots ..... lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works ..... ton.31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms ..... lb. .09½ - .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, brown, N.F., gran., dms lb. .53 - .60
green, USP XII, gran., dms lb. .55 - .59
Oxalate, fine gran., dms ..... lb. .25½ - .28½
Iron-potassium, oxalate, fine gran., dms lb. .30½ - .33½
Iron-sodium, oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns ..... lb. 1.25 - 1.70
Isobornyl acetate, cns ..... lb. .80 - .75
Formate, dms ..... lb. .80 - —
Propionate, dms ..... lb. 1.13 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd. E. of Rockies lb. .13 - —
l.c.l., same basis ..... lb. .13¾ - —
tanks, same basis ..... lb. .11¼ - —
Methacrylate, dms., works .... lb. .60 - —
Isobutyraldehyde, dms., works ... lb. .59 - —
Isoeugenol, cns ..... lb. 3.65 - 3.95
Isoniazid, bulk, powder, 25-kilo lots or more kilo.34.00 -35.00
smaller lots ..... kilo.35.00 -36.00
Isonicotinic acid hydrazide (see Isoniazid).
Isopentane, dms., works ..... lb. .43 - .55
Isophorone, dms., c.l., works .... lb. .24¼ - —
l.c.l., works ..... lb. .24¾ - —
tanks, works ..... lb. .22½ - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .11¾ - —
l.c.l., same basis ..... lb. .12½ - —
tanks, same basis ..... lb. .10 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, Isopropyl).
Isopropylamine (see Mono-, Di- or Tri-).
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works ..... lb. .47 - —
tanks, works ..... lb. .45 - —
Isoquinolin, dms., works ..... lb. .65 - 1.25

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J

Jaborandi leaves, bls	lb.	.17	- .18
Jalap root, NF, bls	lb.	.45	- .55
powd., bbls., bxs	lb.	.50	- .60
Juniper berries, bgs	lb.	.15	- .17
Tar, NF, dms	lb.	.42	- .50

K

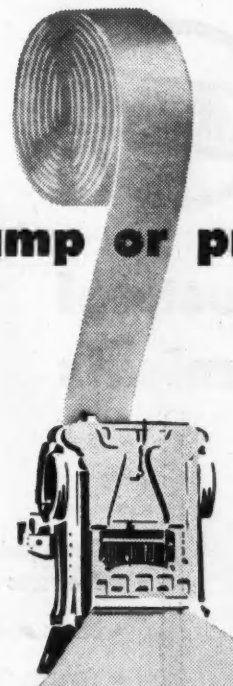
Kamala, powd., cns	lb.	.60	- .65
Kava Kava root, bls	lb.	.30	- .32
Kaolin (see also Clay, China).			
NF, powd., fib. dms	lb.	.08	- .16½
colloidal, fib. dms	lb.	.15	- .15½
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks, gal.		.0925-	—
California, 40-43 s.g., w.w., tanks, gal.		.120	- .130
Gulf ports, 41-43 s.g., w.w., tanks, gal.		.0970-	.1015
N. Y. Harbor, 43-44 s.g., w.w., tanks gal.		.1075-	—
Okla.-Tex., 41-43 s.g., w.w., tanks gal.		.0875-	.095
Penn, Western, 45 s.g., w.w., tanks gal.		.1125-	.1195
Kola nuts, bgs	lb.	.08	- .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk whse	ton.	95.00	-100.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Lady's slipper root, bls	lb.	1.70	- 1.75
Lanolin cosmetic dms., works	lb.	.35½	- 40½
USP, anhydrous dms., works	lb.	.33½	- —
hydrous dms., works	lb.	.32	- —
Lard, cash, trcs., Chicago	lb.	.09½	- —
Larkspur seed bgs	lb.	.20	- .25
Laurel berries bgs	lb.	.25	- .26
Leaves, Greek, bls	lb.	.09	- .09½
Portuguese, bls	lb.	.10	- .10½
Turkish, bls	lb.	.11½	- .12
Yugoslavian bls	lb.	.09	- .09½
Lauryl chloride dms, works, frt. equald	lb.	.72	- —
Methacrylate, normal, dms., less than truckload, works	lb.	1.00	- —
Lavender flowers, medium, bls	lb.	.55	- .60
ordinary, bls	lb.	.16	- .20
select, bls	lb.	.90	- —
Lead acetate, white crystals, bbls.	lb.	.22	- —
gran. bbls	lb.	.23	- —
powd., bbls	lb.	.23	- —
NF cryst., gran., powd	lb.	.31	- .32
Arsenate, dealers, acid powder, frt. alld. on 96 lbs. or 3-lb bgs. or larger, c.l., over	lb.	.27½	- —
l.c.l., frt. alld	lb.	.28½	- —
1-lb bgs., c.l	lb.	.42½	- —
l.c.l	lb.	.43½	- —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.14¾	- —
l.c.l., works	lb.	.15¾	- —
Carbonate (see Lead, white).			
Chloride, dms	lb.	.45	- —
Iodide, NF, V, jars	lb.	3.82	- —
Linoleate, fused, 26.5% dms	lb.	.32½	- —
Metal, pigs, prime, N. Y.	lb.	.1350	—
St. Louis	lb.	.1330	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.34¼	- —
10,000-20,000 lbs., same basis,	lb.	.34¾	- —
2,000-10,000 lbs., same basis,	lb.	.35¼	- —
200-2,000 lbs., same basis	lb.	.35¾	- —
Prices ex whse, Jersey City, N J., 4½c. per lb. higher.			
Monosilicate, bgs., c.l.	lb.	.1464	- —
l.c.l.	lb.	.1564	- —
Naphthenate, liquid, 16% Pb, dms., divd.	lb.	.17½	- —
24% Pb, dms., divd	lb.	.23¾	- —
solid, 37% Pb, dms., divd	lb.	.31	- —
Nitrate, bbls.	lb.	.22¼	- —
Oleate, fused, bbls	lb.	.29¾	- —
Orthosilicate gel, 50% PbO, dms., works	lb.	.32¾	- —
60% PbO dms, works	lb.	.31¾	- —
Peroxide, powd., tech., bbls.	lb.	.45	- .47
Phthalate, dibasic, dms., works.	lb.	.41	- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld.	lb.	.16¼	- —
l.c.l., same basis	lb.	.17¼	- —
97% Pb_3O_4, bbls., c.l., same basis.	lb.	.16½	- —
l.c.l., same basis	lb.	.17½	- —
98% Pb_3O_4, bbls., c.l., same basis.	lb.	.16¾	- —
l.c.l., same basis	lb.	.17¾	- —
Resinate, precip., dms., divd.	lb.	.28½	- —
Salicylate, normal, dms., works.	lb.	.46	- —
Stearate, dibasic, ton lots	lb.	.54	- —
precip., bbls., c.l.	lb.	.39	- —
ton lots	lb.	.40	- —
less ton lots	lb.	.41	- —
Sulphate (see Lead blue; Lead white; basic sulphate).			
Tallate, liquid, 16% Pb dms	lb.	.15¼	- —
24% Pb dms	lb.	.20½	- —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.15¾	- —
l.c.l., same basis	lb.	.16¾	- —
basic silicate, bgs. c.l., ship't point, frt. alld.	lb.	.15	- .17¾
l.c.l., same basis	lb.	.16	- .18¾
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.14¾	- —
l.c.l., same basis	lb.	.15¾	- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works.	lb.	.15½	- .16
l.c.l., same basis	lb.	.16½	- .19
unbleached, c.l., same basis	lb.	.14½	- .15
l.c.l., same basis	lb.	.16	- .18
Lemon peel, bls	lb.	.20	- .26
Leucine dextro-laevo, dms., works.	lb.	12.25	-15.00
Licorice extract, mass, cns	lb.	.21¼	- .40
powd., bbls	lb.	.31¾	- .50
Root, bls	lb.	.05½	- .10
5-lb. bundles, cs	lb.	.50	- .55
powd., bbls	lb.	.13	- .13¼
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼	- .06½
Lime, agricultural, bulk, works	ton.	14.50	- —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	12.50	- —
Annville, Pa	ton.	11.50	- —
Austin, Texas	ton.	9.50	- —
Bellefonte, Pa	ton.	11.50	- —
Buffalo, N. Y	ton.	14.00	- —
Cedar Hollow, Pa	ton.	11.50	- —
Duluth, Minn	ton.	12.50	- —
El Paso, Texas	ton.	14.00	- —
Farnams, Mass	ton.	14.00	- —
Gibsonburg, Ohio	ton.	12.50	- —
Hannibal, Mo	ton.	10.00	- —
Keystone, Ala	ton.	10.25	- —
Kimballton, Va	ton.	10.25	- —
Knoxville, Tenn	ton.	10.50	- —
Lee, Mass	ton.	12.50	- —
Lewisburg, Ohio	ton.	10.00	- —
Limedale, Ark	ton.	10.00	- —
Los Angeles, Cal	ton.	25.10	-26.84
Marble Cliff, Ohio	ton.	10.00	- —
Martinsburg, W. Va	ton.	11.00	- —
Lime, chemical (quicksilver) lump, pebble, bulk, Mosher, Mo.	ton.	10.25	- —
Nelson, Ariz	ton.	14.50	-23.65
Quincy, Ill	ton.	10.00	-13.00
Reddick, Fla	ton.	13.50	- —
Scotrock, Ala	ton.	10.25	- —
Springfield, Mo	ton.	12.25	- —
Winooski, Vt	ton.	15.50	- —
Woodville, Ohio	ton.	11.50	- —
York, Pa	ton.	15.50	- —
Hydrated, paper bags, Adams, Mass	ton.	15.50	- —
Annville, Pa	ton.	14.50	- —
Austin, Texas	ton.	13.00	- —
Bellefonte, Pa	ton.	14.50	- —
Buffalo, N Y	ton.	16.00	- —
Cedar Hollow Pa	ton.	14.50	- —
Chicago Ill	ton.	15.00	- —
Duluth, Minn	ton.	14.00	- —
El Paso, Texas	ton.	17.50	- —
Engle, W Va	ton.	14.50	- —
Farnams, Mass	ton.	14.00	- —
Gibsonburg, Ohio	ton.	16.50	- —
Hannibal, Mo	ton.	12.00	- —
Keystone, Ala	ton.	13.50	- —
Kimballton, Va	ton.	13.50	- —
Knoxville Tenn	ton.	13.00	- —
Lee, Mass	ton.	15.50	- —
Lewisburg, Ohio	ton.	14.00	- —
Limedale, Ark	ton.	12.00	- —
Marble Cliff, Ohio	ton.	13.50	- —
McNeil, Tex	ton.	13.00	- —
Meneminee, Mich	ton.	14.00	- —
Mosher, Mo	ton.	12.50	- —
North Tazewell, Va	ton.	12.75	- —
Quincy, Ill	ton.	10.00	-12.00
Reddick, Fla	ton.	16.00	- —
Scotrock, Ala	ton.	13.50	- —
Springfield, Mo	ton.	12.25	- —
Winooski, Vt	ton.	15.50	- —
Woodville, Ohio	ton.	14.50	- —
York, Pa	ton.	14.50	- —
Lime, spray, paper bgs., Adams, Mass.	ton.	17.00	- —
Annville, Pa	ton.	17.00	- —
Austin, Texas	ton.	13.00	- —
Bellefonte, Pa	ton.	17.50	- —
Carey, Ohio	ton.	11.00	- —
Duluth, Minn	ton.	15.00	- —
Engle, W Va	ton.	14.50	- —
Farnams, Mass	ton.	14.00	- —
Gibsonburg Ohio	ton.	16.50	- —
Keystone, Ala	ton.	13.50	- —
Kimballton Va	ton.	13.50	- —
Lee, Mass	ton.	17.00	- —
Lewisburg, Ohio	ton.	16.00	- —
Marble Cliff Ohio	ton.	16.00	- —
McNeil, Tex	ton.	16.00	- —
Meneminee, Mich	ton.	14.00	- —
Mosher Mo	ton.	12.50	- —
North Tazewell, Va	ton.	12.75	- —
Reddick, Fla	ton.	16.00	- —
Rockland, Me	ton.	10.00	- —
Springfield, Mo	ton.	12.25	- —
Scotrock, Ala	ton.	13.50	- —
Winooski, Vt	ton.	17.00	- —
Woodville, Ohio	ton.	16.50	- —
York, Pa	ton.	15.50	- —
Lime salts (see Calcium)			
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite)			
Limestone grd. bgs. works	ton.	3.50	4.00
Linalool, ex bois de rose, dms.	lb.	5.35	- 5.90
ex lignaloe wood dms	lb.	6.75	7.10
Linalyl acetate, ex bois de rose, 90-92%, dms.	lb.	5.45	- 5.95
96-98%, dms	lb.	6.05	- 7.10
ex petitgrain, bots	lb.	4.35	- 5.05

Jaborandi Leaves—Lobeline Sulphate

Lindane, 25% formulation, dealers, cns., works	lb.	2.20	- —
dms., dealers, dms	lb.	2.10	- —
99%, tech., dealers, dms., works.	lb.	4.50	- 4.75
Linden flowers with leaves, bls	lb.	.34	- .35
without leaves, bls	lb.	.40	- .41
Linseed meal, expeller, 36% bulk, Midwest, mills	ton.	75.00	-79.00
extracted, 36%, same basis	ton.	71.00	-73.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld.	lb.	.15¼	- —
l.c.l., same basis	lb.	.16¼	- —
Lithium benzoate dms	lb.	1.65	1.67
Bromide, NF bbls., works, frt. equald	lb.	2.10	2.75
Carbonate, tech., dms	lb.	.80	- 1.10
Chloride, cryst., dms	lb.	.95	- 1.25
Citrate, NF, bbls., dms., kgs	lb	1.05	- 1.40
Fluoride, bbls	lb.	1.85	- 2.00
Hydride powd., dms., works	lb.	12.00	-14.00
Hydroxide, monohydrate, dms	lb.	.91	- 1.05
Salicylate, dms	lb.	1.60	- 1.70
Lithopone, ordinary, bgs., c.l., dlvd.	lb.	.07½	- —
l.c.l., dlvd.	lb.	.08¼	.08½
titanated (high-strength), bgs., c.l., dlvd	lb.	.10	- —
l.c.l., dlvd	lb.	.11	- —
Lithopone prices, Pacific Coast, 1c. per lb higher.			
Liverwort leaves, bls	lb.	.65	68
Lobelia herb bls	lb.	.42	.43
Leaves, NF	lb.	75	76
Loheline sulphate, bots., works	oz.	33.00	-34.00



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- Coatings for laboratory and hospital furniture
- Finishes to withstand corrosive atmospheres
- Wire coatings

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Logwood Extract—Methyl Testosterone

Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½ - —
solid, No. 1 lb. .35 - —
Lovage root, imported, bls lb. .65 - .75
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.40 - 1.60
Lysine hydrochloride, dextro-laevo, bots. kilo 145.00 - 149.00

M

Mace, Slauw, No. 1 bls lb. .99 - 1.00
West Indian, No. 1, bls. lb. .85 - .86
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns., works lb. .32 - .34½
synth., runner grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton. 72.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton. 36.30 - —
Magnesium bromide jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½ - —
t.c.l., frt. alld lb. .10½ - —
bbls., c.l., frt. equald lb. .10¾ - —
t.c.l., frt. alld lb. .11¾ - —
kgs. c.l., frt. equald lb. .12 - —
t.c.l., frt. alld lb. .13 - —
Magnesium carbonate, USP, bgs., c.l., frt. equald lb. .11¼ - —
t.c.l., frt. alld lb. .12¼ - —
bbls., c.l., frt. equald lb. .11¾ - —
t.c.l., frt. alld lb. .12¾ - —
kgs., c.l., frt. equald lb. .13 - —
t.c.l., frt. alld lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

Chloride, anhyd., lump., 95-98%, drums, c.l., works, frt. equald lb. .12¾ - —
t.c.l., same basis lb. .14 - .15
powd., bbls., works ton. 50.00 - —
hydrous, flake, dms., l.c.l., works ton. 49.00 - 51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. 26½ - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½ - —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls, works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., cs lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Magnesium trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .37 - —
t.c.l., dlvd. E. of Rockies lb. .38 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher.
Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.65 - 2.00
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .29 - .30
Manganese acetate, bbls, dlvd lb. .32½ - —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate bbls., works lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African 84-87%, 40,000 to 99,999-lb lots, paper bgs., gross for net, works ton. 83.00 - —
paper-lined burlap bgs., works ton. 86.00 - —
dms., works ton. 88.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms. cns lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms. lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .33¼ - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4-5% Mn., dms. lb. .30½ - —
solid, precip., 6-2% Mn., bbls lb. .33½ - —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 - —
Oleate, precip., bbls lb. .33½ - —
Resinate, fused, 3½% Mn., dms lb. .21¾ - —
precip., dms lb. .24½ - —
Manganese stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate, fertilizer grade, 63%, bgs., c.l., dlvd. S. E. ton. 75.50 - —
t.c.l., dlvd., S. E. ton. 82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton. 87.50 - —
t.c.l., dlvd. S. E. ton. 94.50 - —
Tallate, 6%, dms lb. .21¾ - —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 79.00 - 80.00
So. American, 30% tannin, c.l., ex dock ton. 53.50 - 60.00
Manna, flake, large, cs. lb. 1.25 - 1.30
small, cs. lb. .80 - .95
Mannitol, com'l. dms., works lb. .40 - .43
reagent, 50-lb dms., works lb. .85 - —
Marjoram, Bohemian, bls. lb. .22 - .22½
Chilean, bls. lb. .21 - .22
French, bls. lb. .28 - .28½
Peruvian, bls. lb. .20 - .20½
Matico leaves, bls lb. .25 - .35
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½ - —
less than 500-lb. lots, works lb. .33¾ - —
Menadione, USP, bots gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs lb. 5.40 - —
Japanese, cs. lb. 6.90 - —
synthetic, USP, racemic, cns lb. 4.05 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., nn. dms., ton lots, works, frt. alld lb. .34 - .35
less ton lots, same basis lb. .36 - .37
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 - .42½
less ton lots, same basis lb. .44 - .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms lb 6.22 - —
yellow, NF, fib. dms lb 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¼ - .14¼
t.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11¼ - .12½
Metaldehyde, dms., works lb. .95 - 1.25
Meta-aminophenol, distilled, dms., ton lots lb. 2.05 - —
less than ton lots lb. 2.50 - —
Metachloranilin, dms., works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½ - —
t.c.l., works lb. .74½ - —
Metanitroanilin, dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.34 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
t.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
t.c.l., frt alld gal. .79 - —
tanks, frt. alld gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic, Zone 1, dms., c.l., dlvd. lb. .44 - .45½
t.c.l., dlvd. gal. .49 - .50½
tanks, dlvd. gal. .32 - .33½
Zone 2, dms., c.l., dlvd. gal. .49½ - —
t.c.l., dlvd. within established whse. delivery zone gal. .54 - —
tanks, dlvd. gal. .35½ - —

Synthetic methanol zones are—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb or more lb. 4.53 - —
feed grade, 98½%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret, dms., c.l., dlvd., zone 1 lb. .19½ - —
t.c.l., same basis lb. .20 - —
hydrogenated non-ret., dms., c.l., dlvd., zone 1 lb. .20 - —
t.c.l., same basis lb. .20½ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
t.c.l., same basis gal. .63 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., dlvd. E. gal. .66½ - —
t.c.l., dlvd. E gal. .72¼ - —
tanks, dlvd. E gal. .54½ - —

Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.

Acrylate dms., c.l. and truckload works lb. .43½ - —
less than truckload works lb. .44 - —
tanks, works lb. .42 - —
Alcohol (see Methanol).
Anthranilate, cns. lb. 2.33 - 2.40
extra, cns. lb. 2.65 - 4.40
Benzoate, cns., dms. lb. .53 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½ - —
refrigerator mfrs., cyls., dlvd. lb. .39 - .48
other consumers or service men, cyls. dlvd lb. .486 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½ - —
t.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate refd., dms lb. .23 - .40
tech., non-ret, dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Lactate, dms., t.c.l., works lb. .23 - —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J. lb. .36½ - —
less than truckload, same basis lb. .37 - —
tanks, same basis lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Rosaniline chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns., 80 lbs. lb. .53 - —
Testosterone, USP, 100 gms. gm. 1.75 - —

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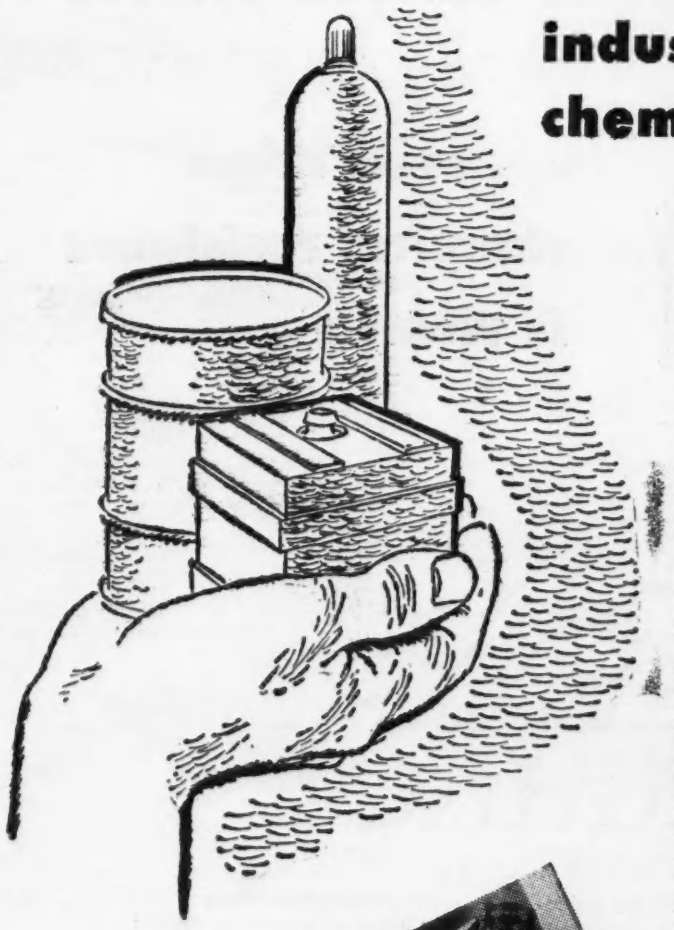

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Methylal, refined, 97%, dms., c.l., works lb. .12¾- —
l.c.l., works lb. .13½- —
tanks, works lb. .11 - —
tech., 92%, dms., c.l., works. gal. .85 - —
l.c.l., works gal. .90 - —
tanks, works gal. .70 - —
Methylamyl acetate, dms., c.l., dlvd. E lb. .14¾- —
l.c.l., dlvd. E lb. .15½- —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .73 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs lb. .85 - .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. lb. .13½- .14½
tanks, dlvd. lb. .11 - .12
Methylethylpyridin dms., c.l., works. lb. .47½- —
l.c.l. works lb. .48 - —
tanks, works lb. .46 - —
Methylheptincarbonate, bots. lb. 35.00 - 45.00
Methylionone A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14¾- —
l.c.l. dlvd. lb. .15½- —
tanks, dlvd. lb. .13 - —
Methylnaphthyl ketone, cans lb. 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. allo, E lb. .06½- —
extra fine, bgs., c.l., works, frt. allo., E lb. .05¾- —
l.c.l., ex whse. or frt. allo, E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. allo., E lb. .07¼- —
l.c.l., ex whse. or frt. allo, E lb. .08 - —
rubber, bgs., c.l., works, frt. allo, E lb. .07 - —
l.c.l., ex whse. or frt. allo, E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. allo, E lb. .07¼- —
l.c.l., ex whse. or frt. allo, E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. allo, E lb. .07¼- —
l.c.l., ex whse. or frt. allo, E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .14 - .15½
spray, bbls., c.l lb. .15 - .17
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l lb. .33 - .38¼
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works lb. .24¾- —
200-1,800-lb. lots, works lb. .25¼- —
Edible milk sugar in 5lb dms., 1c. higher.
USP, 5lb. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb lots, works lb. .30¼- —
USP milk sugar in bgs. 1c. lower
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10 - —
New York gal. .11 - —
Molybdenum metal, 65% Mo, pwd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.25 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monobutylamine, dms., c.l., E. of Rockies lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Monochlorobenzene dms., c.l., frt. allo. or dlvd. E. lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine dms. c.l. dlvd. E. lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylaminonaphthylamine, dms., works lb. .88 - —
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E. lb. .32 - —
l.c.l., dlvd. E lb. .33 - —
tanks, dlvd. E lb. .30¼- —
Monoethylanilin, dms., c.l., frt. allo. lb. .51 - .57
l.c.l. frt allo lb. .52 - .58
tanks, frt. allo lb. .50 - .56
Monoethylorthotoluidin bbls lb. .80 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .29½- —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l. works basis 100% lb. .35 - —
l.c.l. same basis lb. .35½ .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic), Glutamate (see Sodium glutamate, monobasic Phosphate (see Sodium phosphate monobasic).
Mono-tertiary butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine cns oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide cns oz. 9.90 9.95
Hydrochloride, NF, cns oz. 9.90 9.95
Sulphate USP cns oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
l.c.l., dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .53 - —
Mullein flowers, cs lb. 2.00 - 2.05
Leaves, bls lb. .18 - .21

Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100-lb. lots, fib. dms. lb. 5.25 - —
25-lb. lots, cns lb. 5.40 - —
5-lb. lots, cns lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.20 - —
25-lb. lots, cns lb. 5.35 - —
5-lb. lots, cns lb. 5.50 - —
xylol, 100-lb. lots, fib. dms lb. 1.50 - —
25-lb. lots, cns lb. 1.55 - —
5-lb. lots, cns lb. 1.70 - —
Musk root, bls lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b source lb. .12 - —
Danish, yellow, bgs lb. .10½- .13½
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .12 - .12½
German, yellow, bgs lb. .10 - .10½
Japanese yellow, bgs lb. .10 - .10¼
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08 - —
oriental, bgs., source, Sept.-Oct. shipment lb. .05¼- —
yellow, bgs., source, Sept.-Oct. shipment lb. .09½- —
Myrobalans, J1, ord. bgs., ex dock ton. 47.00 - —
assorted, ex dock ton. 48.50 - —
crushed, bgs., ex dock ton. 65.00 -66.00
Extract, Indian solid, 53% tannin, ex dock plus duty lb. .07 - —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. equald. lb. .0625- —
78°, dms., c.l., same basis lb. .0765- —
l.c.l., same basis lb. .0790- —
tanks, same basis lb. .0675- —
refined, industrial, bbls., c.l., frt. equald lb. .11¾- —
bgs., c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs. c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .0365- —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots, basis activity gm. .60 - —
1-kilo lots gm. 1.20 - —
Nepheline syenite, glass, 24 mesh, bulk, works ton. 14.25 - —
pottery, 200 mesh, bulk, works, N.Y. ton. 18.25 - —
Nepheline syenite to bgs., $3 per ton higher than bulk.
Nerolin, cns lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .60 - .60½
Carbonate, bbls., dlvd lb. .66¼- —
Chloride, bbls., dlvd lb. .34½- —
Cyanide, bots., dms lb. 4.50 - —
Formate, bbls., ton lots, frt. allo. lb. .58½- .59½
Metal, electro cathodes, cs., works. lb. .56½- —

Methylal—Nitrocellulose

Nickel nitrate, bbls., works lb. .33½- —
Oxide, black, bbls lb. .63¼- —
Sulphate, bgs., c.l., dlvd lb. .26¼- —
l.c.l., dlvd lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. allo. over 70 lbs. gm 49.40 - —
10-lb tins, dealers, frt. allo. on cases of 6 tin 10.65 - —
Niger seed, bgs., afloat lb. .10¾- .11
Nikethamide, cbys lb 7.50 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. allo lb. .10½- .11½
l.c.l., frt. allo lb. .11½- .12½
tanks, frt. allo lb. .09½- .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

MgO

CUSTOM PRODUCTION

new "entirely variable" kiln produces magnesia to your specific needs

Now in operation . . . a new automatic kiln, *entirely variable* for operating speed and temperature, giving you calcined magnesite of exactly the right granule size and chemical reactivity for your particular application.

The new kiln, recently installed at Michigan Chemical's Saint Louis, Michigan, plant will produce hardburned magnesite with more than 97% magnesium oxide content and low ignition loss for high temperature refractories. It will also turn out lightburned magnesite of such physical state and density it can be handled in hoses like water for ultimate speed in compounding.

For a fast and dependable supply of magnesia, "custom produced" to *your* specifications, contact Michigan Chemical Corporation at once.

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BASIC MANUFACTURERS OF INDUSTRIAL, PHARMACEUTICAL AND AGRICULTURAL CHEMICALS

Nitroethane—Oil, Pineneedle

Nitroethane, dms., dlvd. E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works, 37-40.8% N ton.120.00 -123.00
Nitrogenous process tankage, bulk, works unit-ton. 5.00 - —
Sewage sludge, bulk, works unit-ton. 3.75 + .50
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
l.c.l. works lb. .33¾- —
tanks works lb. .32¼- —
Nutgalls, Aleppo, bgs lb. .38 — —
Chinese, bgs lb. .36 Nom.
Istrian, bgs lb. .31 —
Nutmeg, East Indian, whole, cs. lb. .34 - .34½
shrivels, bgs lb. .32½- .33
West Indian, bgs lb. .26½- .27
Nux vomica, bls lb. .08 - .10
powdered, bbls., bxs lb. .12 - .14

O

Octane, 100° 140°C., industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
100° C. b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Octyl methacrylate, normal, dms., less than truckload, works lb. .83 - —
Octylphenol, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, works lb. .25¾- —
Oil, abies siberica, cns. lb. 2.50 - 2.65
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 2.75 - 3.40
NF bots. lb. 2.85 - 3.25
sweet, USP, dms., cns. lb. .55 .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.65 - 1.90
Angelica root, bots. lb.90.00 -120.00
seed, bots lb.55.00 -95.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 2.00 - 2.85
Apricot, kernel, USP, dms lb. .34 - .60
Avocado, cns., dms lb. No prices.
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.55 - 2.20
55-60% cns lb. 1.65 2.10
West Indian, 50-55%, cns., dms lb. 1.45 - 2.25
Bergamot, artif., cns lb. 2.90 - 5.00
natural, NF, Italian, cns. lb.11.50 -14.50
Birchtar, crude, cns. lb. 1.75 - 2.10
rectified, NF, cns lb. 2.50 - —
Bois de Rose, Brazil, dms. lb. 3.35 - 4.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, redist., USP, cns. lb. 1.60 - 2.85
tech., cns. lb. 2.25 - —
Calamus, cns lb.10.00 -20.00
Camphor, sassafrassy, dms. lb. .26 - .40
white, dms lb. .26 - .40
Cananga, native, cns. lb.10.00 -11.50
rectified, cns lb.11.00 -14.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 2.65 - 3.75
Cardamom, NF, bots lb.43.00 -55.00
Cassia, USP, cns., dms lb. 5.25 - 7.50
Oil, castor, blown, dms., c.l. lb. .2800- —
l.c.l. lb. .2850- —
dehydrated, bodied, dms., c.l., lb. .3110- —
l.c.l. lb. .3160- —
tanks lb. .3010- —
unbodied, dms., c.l. lb. .2960- —
l.c.l. lb. .3010- —
tanks lb. .2860- —
hydrogenated, bgs. lb. .3260- .3380
No. 1, Brazilian, tanks. lb. .2850- —
USP, dms., c.l. lb. .2800- —
l.c.l. lb. .2650- —
tanks lb. .2500- —
refined and deodorized, dms., c.l. lb. .2750- —
l.c.l. lb. .2800- —
tanks lb. .2650- —
No. 3, tech., dms., c.l. lb. .2575- —
l.c.l. lb. .2625- —
tanks lb. .2475- —
sulphonated, 50% (48% fat), dms., l.c.l. lb. .16½- .17
75% (60-62% fat), dms., l.c.l. lb. .23 - .23½
Cedarleaf, cns., dms lb. 2.10 - 2.80
Cedarwood, cns., dms lb. .45 - .75
Celeryseed, bots lb.16.50 -21.00
Chamomile, blue, Hungarian, bots. lb.225.00 -260.00
Chaulmoogra, NF, cns., dms lb. .55 - .70
Chinawood (see Oil, tung)
Cinnamon bark, USP, bots. lb.23.00 -60.00
leaf, Ceylon, bots lb. 1.40 - 3.25
Citronella, Ceylon, cns., dms. lb. .55 - .90
Java, true, cns lb. 1.10 1.90
Java type, cns lb. .45 - .85
Clove, USP, from buds, cns., dms. lb. 9.50 - 9.75
Coconut, crude, tanks, N. Y. lb. .16¾ Nom.
Pac. Coast lb. .15⅝- —
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .25 - —
deodorized, tax incl., non-ret. dms., c.l. lb. .27¼- —
Oil, cod, Newfoundland, dms. lb. .09½- .10
Codliver, USP, dms. gal. 1.55 - 1.65
Copaiba, cns lb. 2.00 - 2.50
Coriander, USP, bots. lb.20.00 -23.00
Corn, crude, tanks, works lb. .13½- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .05¼ Nom.
raw, 50%, tanks, same basis. lb. .02¼ Nom.
refined, dms lb. .18¼- .18¾
tanks lb. .16¾- —
Costus, bots. oz.12.50 -25.00
Cottonseed, crude, tanks, South-East lb. .13⅞- —
Valley lb. .13⅞- —
Texas lb. .13½- —
foots (soapstock), acid, 95%, tanks, N.Y. lb. .03 - —
raw 50%, tanks, same basis. lb. .01⅜- —
salad, dms. lb. .19¼- .19½
tanks lb. .17⅜- —
Creosote (see Creosote, coaltar).
Croton, cns lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 4.50 - 7.25
Cumin, bots. lb. 4.25 - 6.00
Cypress, bots lb. 6.00 —
Degras (see D).
Dillseed, India, bots. lb. 2.80 - 4.25
Dillweed, domestic, bots., dms lb. 4.00 - 5.25
Dip (see D).
Erigeron cns lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms. lb. .70 - 1.15
80-90%, dms. lb. .85 - 1.25
Fennel, sweet, USP, cns. lb. 2.30 - 2.75
Fir, Canada, cns. lb. 2.65 - 3.10
Fish, refined, alkali, dms. lb. .1360- —
kettle-bodied, dms. lb. .1560- —
light-pressed, dms. lb. .1210- —
tanks lb. .1050- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13⅛
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12⅛
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12⅛
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
100,000 A units per gm., dms., 1,000,000 units. .12 - .15
200,000 A units per gm. dms. 1,000,000 units. .12 - .15
300,000 A units per gm., dms. 1,000,000 units. .12 - .15
400,000 A units per gm. dms. 1,000,000 units. .12 - .15
500,000 A units per gm. dms. 1,000,000 units. .12 - .15

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots. oz. 9.00 -11.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb.12.00 -16.50
Bourbon, cns. lb.10.85 -16.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb.13.00 -14.00
Grapefruit, dms lb. 2.65 - 3.50
Grease, No. 1, dms. lb. .10¾- .11
extra, winter, strained, dms. lb. .12 - .12⅛
prime, burning, dms. lb. .13½- .14⅛
Guaiacwood, cns. lb. 1.65 - 1.90
Hemlock cns lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.75 - —
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns. lb. .42 - .50
Lard (see Oil, grease).
Laurel, dms., cns. lb. 9.75 -12.50
Lavandin, dms., cns. lb. 2.15 - 2.75
Lavender, flower, USP, French, 30-32% ester, cns. lb. 3.30 - 5.00
38-40% ester, cns. lb. 5.25 - 7.25
40-42% ester, cns. lb. 6.00 - 7.75
Spike, Spanish, cns. lb. 1.65 - 2.00
Lemon, USP, Calif., cns., dms. lb. 5.75 - 6.00
Messina, cns. lb. 5.50 - 9.50
terpeneless, bots. lb.32.00 -75.00
Lemongrass, cns., dms. lb. 1.10 - 1.35
Lignaloe wood, Mexican, cns. lb. 2.80 - 4.50
Lime, distilled, Mexican, cns. lb. 6.00 - 7.00
West Indian, cns. lb. 6.25 - 8.25
expressed, West Indian, cns. lb. 7.85 - 9.50
terpeneless, bots. lb.45.00 -78.00
Linseed, raw, dms., c.l., N. Y. lb. .1725- —
l.c.l. lb. .1775- .1800
tankcars, f.o.b. Minneapolis lb. .1450- —
New York lb. .1575- —
tankwagon, N. Y. lb. .1605- —
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms. lb. 2.75 - 4.25
Mandarin, Floridian, dms. lb. 3.00 - 5.35
Italian, cns. lb. 6.50 -12.00
Menhaden, crude, tanks, Balto lb. .07½- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .16 - .16⅛
synthetic, cns., dms. lb. 1.60 - 1.85
Neatsfoot, 15° dms. lb. .32 - .33
20°, dms lb. .31 - .32
30°, dms lb. .29 - .30
Neroli, NF, French, bots. lb.190.00 -250.00
petale, bots lb.40.00 -150.00
Nutmeg, USP dist., East Indian, cns., dms lb. 3.35 - 4.05
West Indian, cns., dms. lb. 2.75 - 3.50
Ocotea cymbarum, dms. lb. .56 - .90
Oiticica, liquid, dms. lb. .26¼- .26¾
tankcars lb. .25 - —
Oleo, extra, dms. lb. .10½- .11
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb. 8.00 - —
Olive, commercial, dms. gal. 2.25 - —
edible, dms., duty paid gal. 2.60 - 2.65
foots, dms. lb. .15 - .15½
Orange, sweet, dist., cns. lb. .40 - .70
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns. lb. .75 - 1.00
Florida, cns. lb. .75 - 1.00
Messina, cns. lb. 3.90 - 4.50
West Indian, cns. lb 2.75 3.35
sesquiterpeneless, bots. lb.135.00 -150.00
Origanium, Spanish, cns. lb. 2.15 - 3.05
Palm, clarif., dms., spot. lb. .1240- .1400
Palmarosa, cns. lb. 6.25 - 8.40
Palm kernel, in bond, tanks. lb. .16 - —
Paraffin, pale, 100-110 vis., at 100°F. tanks, East Coast refinery gal. .14 - —
Patchouli, dms. lb. 7.25 - 8.25
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .22¾- —
refined, dms. lb. .28 - .28⅛
tanks lb. .26½- —
Pennyroyal, USP, imported, cns lb. 2.25 - 2.40
Peppermint, natural, dms. lb. 5.00 - 7.25
redist., USP, dms. lb. 5.25 - 8.25
Persic, USP (see Oil, apricot kernel).
Petitgrain, Paraguay, cns., dms. lb. 2.35 - 3.10
Pimento berry, NF, dms. lb. 4.75 - 5.75
leaf, cns. lb. 2.35 - 2.65
Pine, dest., dist., dms., extra, c.l., works gal. .75½- —
l.c.l. gal. .76½- —
whse. gal. .95½- —
steam dist., dms., ex whse., N.Y.C. lb 127 .128
Pineneedle, Siberian (see Oil, abies siberica).

The proof of the product is in the USAGE!

More than 80% of all lemon oil used in the U. S. is EXCHANGE Brand! An amazing endorsement! The reasons are simple. Only carefully selected lemons from the groves of sunny California are used to make EXCHANGE Oil of Lemon. This fine fruit, plus skillful processing, gives you lemon oil with superior flavor, consistent aroma and clarity with no cloud or sediment. For complete satisfaction, just specify EXCHANGE Oil of Lemon when you order.

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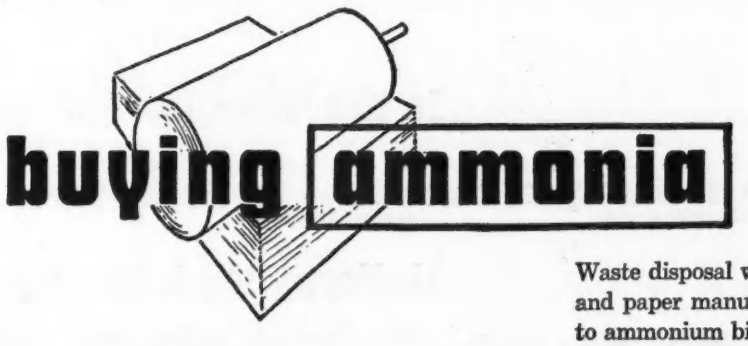
Sunkist Growers
Products Dept., Ontario, California
Produced by
Exchange Lemon Products Co.
Corona, California

Oil, putty, petroleum, dms., c.l., dlvd	lb.	.11	—
l.c.l., same basis	lb.	.12	—
tanks, same basis	lb.	.10	—
Rapeseed, tankcars	lb.	.16½-	.16¾
Red (see Acid, oleic).			
Rice, bran, clarif., dms	lb.	.15½-	—
crude, tanks, dlvd. E	lb.	.13	—
Rose, natural, Bulgarian, bots	oz.	50.00	-62.25
Rosemary, Spanish, tech., cns., dms	lb.	.60	- .75
USP. cns., dms	lb.	.80	- 1.00
Rue, bots	lb.	2.25	- 2.50
Safflower, dms., c.l., Atlantic coast,	lb.	.16½-	—
tanks, same basis	lb.	.15	—
Sage, clary, bots	lb.	20.00	-25.00
Dalmatian, cns	lb.	6.75	- 8.50
Spanish cns	lb.	.90	- 1.25
Sandalwood, NF, cns	lb.	9.75	-10.50
Sardine, crude tanks, Pac. coast,	lb.	No stocks.	
Sassafras, artificial, dms	lb.	.50	- .70
natural Brazilian (See Oil, ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.90	- 2.25
Savin, cns	lb.	2.75	—
Savory, cns	lb.	No stocks.	
Sesame, retd., dms	lb.	.36	- .37
Shingle stain, tar distillate, dms., c.l., works	lb.	.33	—
l.c.l., works	lb.	.35	—
tanks, works	lb.	.23	—
Snakeroot, Canada, cns	lb.	31.00	-33.00
Soybean, crude, tanks, mills	lb.	.12⅜-	—
foots (soapstock), acid, 95% tanks, N. Y.	lb.	.03⅜	Nom.
raw, 50%, tanks, N. Y.	lb.	.03⅜	Nom.
refined, alkali, dms., c.l.	lb.	.16⅜-	—
l.c.l.	lb.	.16⅞-	.17¼
tanks	lb.	.14⅞-	—
clarified, dms., c.l.	lb.	.15⅜-	—
l.c.l.	lb.	.15⅞-	.16¼
tanks	lb.	.14⅜-	—
salad, dms	lb.	.16½-	.17
tanks	lb.	.15	- —
Spearmint, USP, dms	lb.	8.00	- 9.50
Sperm, bleached, winter, 45°, dms	lb.	.1350-	.14
tankcars	lb.	.1200-	—
natural, winter 45° dms	lb.	.1250-	.13
tankcars	lb.	.1100-	—
Spruce, cns., dms	lb.	2.10	2.75
Sweet birch, USP, Northern, cns.	lb.	4.95	8.00
Southern, cns	lb.	2.00	- 3.25
Tall, crude, tanks, works	lb.	.02¼-	.02½
refined, dms., c.l., works	lb.	.06¼-	.07¼
l.c.l., works	lb.	.06½-	.07½
tanks, works	lb.	.05	.06
Tallow, acidless, dms	lb.	.10½-	.11
Tansy, dms	lb.	8.25	9.00
Tar, pine, com'l, dms., extra, c.l., works	lb.	.0488-	—
l.c.l., works	lb.	.0545-	—
whse	lb.	.0655-	—
tanks, works	lb.	.041	- —
rectified, N.F., l.c.l., dms. extra works, South	gal.	.67	- —
whse N Y C.	gal.	.77	- —
Tar acid (see T).			
Theobroma (see Cocoa butter).			
Thyme, NF red, cns., dms	lb.	1.90	- 3.75
white cns	lb	2.25	4.00
tech., white, cns	lb.	.40	- 1.85
Tung, dom., tanks, mills	lb.	.28¼-	—
imported, dom., c.l.	lb.	.31¼-	—
l.c.l.	lb.	.32	- .32½
tanks	lb.	.29½-	.29¾
Turkey red (see Oil, castor, sulphonated).			
Turpentine, NF, cns., dms	lb.	.20	- .40
Vetiver, Bourbon, cns	lb.	20.00	-24.00
Haitian, cns	lb.	17.50	-26.00
Java, cns	lb.	29.00	-35.00
Wheat germ, o-gal dms	gal.	44.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l.	gal.	.51½-	.54½
l.c.l.	gal.	.56½-	.57½
65-75 vis., dms., c.l.	gal.	.52½-	.55½
l.c.l.	gal.	.57½-	.58½
NF, 80-90 vis., dms., c.l.	gal.	.53½-	.56½
l.c.l.	gal.	.58½-	.59½
125-135 vis., dms., c.l.	gal.	.59½-	.62½
l.c.l.	gal.	.64½-	.65½
145-155 vis., dms., c.l.	gal.	.66	- .68½
l.c.l.	gal.	.71	- .71½
175-185 vis., dms., c.l.	gal.	.69½-	.73
l.c.l	gal.	.74½-	.76
USP, 200-210 vis., dms., c.l.	gal.	.72½-	.75
l.c.l.	gal.	.77½-	.78
345-355 vis., dms., c.l.	gal.	.77	- .80
l.c.l.	gal.	.83	- .85
Wintergreen, USP, nat., Northern, cns.	lb.	7.15	-14.50
Southern, cns	lb.	3.86	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, cns	lb.	8.75	- 9.50
Wormwood, cns	lb.	5.55	- 6.85
Ylang-ylang, Bourbon, bots	lb.	18.00	-30.00
extra, bots	lb.	30.00	-40.00
Madagascar bots	lb.	No stocks.	
Oleostearin, bbls.	lb.	.06¾-	.07
Olivine aggregate, c.l., mines	ton.	7.00	9.50
crushed 8 mesh, bulk, c.l works	ton.	10.00	—
paper, bgs, c.l., works	ton.	12.00	—
Opium, USP, cns	lb.	19.20	-19.45
gran., USP, cns	lb.	21.65	-21.90
powd., USP cns	lb.	21.65	-21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies	lb.	1.20	- —
Chrome, CP, bbls., dlvd N. of Tenn. and N. C., E of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.31	- —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Dinitroanilin toner	lb.	1.30	- —
Mineral, American, bbls., L.c.l., ship't point, frt. alld.	lb.	.1960-	—
Molybdated, bbls	lb.	.44	- —
Orthonitroanilin toner, kgs	lb.	1.15	- —
Persian, bbls	lb.	.65	- —
Orange flowers, bls	lb.	.55	- .56
Peel, bitter, Haitian, bls	lb.	.12	- .14
sweet, bls	lb.	.14	- .16
Oregano, Italian, bgs	lb.	.24	Nom.
Mexican, bgs., afloat	lb.	.15½	Nom.
Portuguese, bgs., afloat	lb.	.19½-	.20
Orris root, Florentine, bls	lb.	.27	- .28
powdered, bbls., bxs	lb.	.32	- .35
Verona, bls	lb.	.15	- .20
powdered, bbls., bxs	lb.	.20	- .25
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.37	- —
Orthoanisidin bbls	lb.	.68	- —
Orthochloroanilin, dms., c.l.	lb.	.65	- .70
l.c.l.	lb.	.67	- .72
Orthochlorobenzaldehyde, dms., works	lb.	1.18	- —
Orthochloroparanitroanilin dms., dlvd	lb.	.86	- —
Orthochlorophenol dms. c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Orthocresol, pure, 30° C., non-ret., dms., c.l., frt. equald	lb.	.173	- .198
l.c.l., same basis	lb.	.176	- .201
ret. dms., c.l., same basis	lb.	.17	- —
l.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.16	- —
29° C. non-ret. dms., c.l., same basis	lb.	.188	- —
l.c.l., same basis	lb.	.191	- —
ret. dms., c.l., same basis	lb.	.16	- —
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.15	- —
25-29° C. non-ret. dms., c.l., same basis	lb.	.153	- —
l.c.l., same basis	lb.	.156	- —
tanks, same basis	lb.	.140	- —
Orthodichlorobenzene, dms. c.l., works, frt. alld. E. of Rockies	lb.	.11¼-	.13¼
l.c.l., same basis	lb.	.12¼-	.14¼
tanks, same basis	lb.	.09¾-	.11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms	lb.	.50	.56
Orthonitrochlorobenzene, dms	lb.	.20	.21
Orthonitrobiphenyl tech., dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns	lb.	.75	- —
Orthonitrophenol, bbls, works	lb.	.94	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10	- —
l.c.l., frt. alld	lb.	.11	- —
tanks, frt. alld	lb.	.09	- —
Orthophenetidin dms., works	lb.	1.00	- —
Orthophenylphenol, fib. dms., works.	lb.	.20	- .44
Ortho-tertiary-amylphenol, dms., c.l., works	lb.	.43¾-	—
l.c.l., works	lb.	.46¾-	—
tanks, works	lb.	.41¾-	—
Orthotoluidin, dms., c.l., works	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40	- —
extract, liquid, No. 1, bbls., l.c.l	lb.	.19	- —
Orthotolidin (see Tolidine Base)			
Ouabaine, USP bots	gram	3.00	4.00
Ox bile, extract, powdered, USP 5-lb. lots or more	lb.	6.00	- —
not extract, powdered, 5-lb. lots or more	lb.	4.35	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb	4.75	5.00
smaller lots, works	lb.	4.92	- 5.17

P

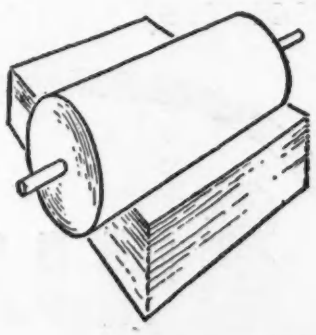
Pancreas substance, assay 1:75 bots., 5-lb. lots or more	lb.	5.75	- —
Pancreatin, USP bots	lb.	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	—
Papain, powd., African, dms	lb.	6.50	- 7.00
Ceylon, dms	lb.	5.25	- 5.75
Papaverine, natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots	oz.	5.00	- —
smaller lots	oz.	5.05	- 5.20
Sulphate, cns	oz.	7.10	7.35
Paprika Algerian, bgs	lb.	.27	.28
Czech, bgs	lb.	.34	- .35
Moroccan, bgs.	lb.	.24	- .25
Spanish, bgs	lb.	.42	- .46
Para-anisidin, dms., works	lb.	.88	- —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol dms., frt. alld	lb.	.97	- .98
Parachloroanilin, dms., frt. alld., E. of Miss	lb.	.75	- —
Parachlorobenzaldehyde, dms. works.	lb.	1.24	1.37
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73	- .82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb	.35½-	—
Paracresol, 98%, dms., c.l., dlvd	lb.	.49	- —
l.c.l., dlvd.	lb.	.51	- —
Methylether, cns	lb	2.15	2.50
Paracymene, dms., 50-gal. lots or more, works	gal	2.50	- —
smaller lots	gal	3.00	- —
Paradibromobenzene, bgs. 500-lb. lots.	lb.	.55	- —
Paradichlorobenzene, dms., c.l., works	lb.	.14½-	—
l.c.l., same basis	lb.	.17	- —
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., ref'y	lb.	.055	- —
fully refined, 122-124 ASTM, loose, c.l., rfy	lb.	.0743-	—
125°-127°F, ASTM, loose, c.l., ref'y	lb.	.0745-	—
130°-132°F, ASTM, loose, c.l., ref'y	lb.	.0755-	—
132°-134°F, ASTM, loose, c.l., ref'y	lb.	.0755-	—
135°-137°F, ASTM, loose, c.l., ref'y	lb.	.0755-	—

Prices for paraffin in bags and ctns, c.l., 7 10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.



Waste disposal was a problem with a large pulp and paper manufacturing company. They changed to ammonium bisulphite cooking where they could recover much of the chemical value in the waste liquor . . . they found, in addition, the efficiency of the pulping operation was improved and the pulp was of better quality.

to better advantage



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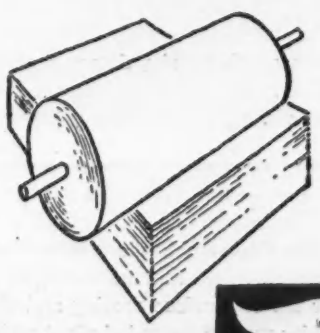

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caustic soda • soda ash • liquid chlorine • sulphur • sulphuric acid • bicarbonate of soda • ammonia • sodium nitrate • nitric acid • hydrazine sodium methylate • sodium chlorite • hypochlorite products • dry ice and carbonic gas • ammonium sulphate • ethylene derivatives • methanol

Paraformaldehyde—Phenol, 82-84%

Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld.	lb.	.15½-	—
l.c.l., frt. alld	lb.	.17	—
flake, bgs., c.l., frt. alld	lb.	.12	—
l.c.l., frt. alld	lb.	.13½-	—
USP X, fib. dms., c.l.	lb.	.198	—
10,000-lb. lots	lb.	.198	—
1,000-lb. lots	lb.	.198	—
smaller lots	lb.	.208	—
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works	lb.	.1385-	.1650
l.c.l., works	lb.	.1485-	.1750
tanks, works	lb.	.1500-	.1500
Paranitroaniline, dms., c.l., works, frt. alld	lb.	.48½-	—
l.c.l., works, frt. alld	lb.	.51¼-	—
Paranitrochlorobenzene, kgs., works	lb.,	.21	.22
Paranitrophenol, kgs., works, frt. equald	lb.	.46	—
Paranitrotoluene, kgs., frt. alld	lb.	.36	—
Paraphenetidin, dms., works	lb.	.90	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	—
tech., refd., dms., same basis	lb.	1.10	1.35
Paraphenylphenol, bgs., c.l., works	lb.	.37½-	—
l.c.l., same basis	lb.	.42	—
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½-	—
l.c.l., same basis	lb.	.28½-	—
Parathion, spray powder, 15%, dealers, tins	lb.	.53	.59
tech., dms., works	lb.	1.50	—
Para-tertiary-amylphenol, ctns., c.l., works	lb.	.26	—
l.c.l., works	lb.	.27	—
tanks, works	lb.	.25	—
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.64	.66
powd., bbls., works	lb.	.70	—
solid, bbls., frt. alld	lb.	.61	—
Paratoluidin, flake, bbls., frt. alld.	lb.	.64	.68
solid, bbls., frt. alld	lb.	.61	—
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35	.36
l.c.l., same basis	lb.	.39	.67
Passion flower herb, bls	lb	.25	.26
Peanut meal, 45%, old proc., sacked, mills	ton.	82.00	-83.00
solvent, same basis	ton.	75.00	-78.00
Pectin, citrous, NF, powd., bbls	lb.	2.05	2.08
tech., powd., bbls	lb.	1.50	—
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units		.09	.10
Procaine, bulk, 1,000,000 units		.10	.11
Sodium, sterile, bulk, 1,000,000 units		.09	.10
Pennyroyal herb, bls	lb.	.45	.50
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	.29
truckload, 20,000 lbs. min. same basis	lb.	.21¼-	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.33	—
l.c.l., works	lb.	.34	.36
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial, tanks, group 3.	gal.	.12	.13½
Pepper, black, Malabar, spot, bgs.	lb.	1.25	—
red, Carolina, long, bgs	lb.	.44	.45
Gondar, bgs	lb.	.25	.28
Japanese hontakas, bgs	lb.	.47	.48
birdseyes, bgs., afloat	lb.	.62	—
Pepper, red, Louisiana longs, bgs.	lb.	.45	Nom.
Mississippi sports, bgs., source, new crop	lb.	.45	Nom.
Mombasa, bgs	lb.	.43½-	—
Nigerian, bgs.	lb.	.36	.40
Turkish, bgs	lb.	.33	.36
Unganda, bgs	lb.	.36½	Nom.
Zanzibar, bgs	lb.	.43	—
white, bgs.	lb.	1.50	—
Peppermint leaves, USP, bls., dms.	lb.	.65	.66
imported, bls.	lb.	1.05	Nom.
Pepsin, NF, 1:3,000, bulk	lb.	3.75	3.90
Perchloroethylene, dms., c.l., or truckloads, works	lb.	.11	—
dlvd. E	lb.	.12	—
l.c.l., works	lb.	.11¾-	—
dlvd. E	lb.	.12½-	—
tanks, works	lb.	.10½-	—
Peru balsam, dms	lb.	1.30	2.00
Petrolatum, amber, dms., c.l., refy.	lb.	.04¾-	.05⅛
l.c.l., dlvd.	lb.	.06½-	—
tanks, refy	lb.	.03½-	.04⅛
cream, dms., c.l., refy	lb.	.06	.07⅛
l.c.l., dlvd.	lb.	.08¼-	—
tanks, refy	lb.	.04¾-	.05⅛
extra, amber, dms., c.l., refy	lb.	.05	.05⅞
l.c.l., dlvd.	lb.	.06¾-	—
tanks, refy	lb.	.03¾-	.04⅛
USP, white, lily, dms., c.l., refy.	lb.	.06¾-	.07⅛
l.c.l., dlvd	lb.	.08¾-	—
tanks, refy	lb.	.05½-	.06
soft, dms., c.l., refy	lb.	.06⅝-	.07¾
l.c.l., dlvd.	lb.	.08¼-	—
tanks, ref'y	lb.	.05⅜-	—
snow, dms., c.l., refy	lb.	.06⅞-	.08
l.c.l., dlvd.	lb.	.09¼-	—
tanks, refy	lb.	.05⅝-	.06¼
yellow, soft, dms., c.l., refy	lb.	.05	.05⅞
l.c.l., dlvd.	lb.	.06¾-	—
tanks, ref'y	lb.	.05⅛-	—
Petroleum, crude, bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.28	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania lower field.	bbl.	3.82	—
Upper field	bbl.	4.25	—
Texas, East	bbl.	2.65	—
Gulf coast	bbl.	2.38	2.95
North, North-Central	bbl.	2.23	2.65
Panhandle	bbl.	2.23	2.65
West	bbl.	2.33	2.65
Wyoming	bbl.	1.28	2.875
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery	bbl.	1.95	2.15
light, tanks, refinery	bbl.	2.15	2.25
eastern, tanks, Albany, N. Y.	bbls.	2.45	—
Baltimore, Md.	bbl.	2.10	—
Boston, Mass.	bbl.	2.15	—
Charleston, S. C.	bbl.	2.00	—
Jacksonville, Fla.	bbl.	1.97	—
New York Harbor	bbl.	2.10	—
Norfolk, Va.	bbl.	2.05	—
Philadelphia, Pa.	bbl.	2.10	—
Portland, Me.	bbl.	2.15	—
Providence, R. I.	bbl.	2.12	—
Savannah, Ga.	bbl.	2.00	—
Diesel, tanks, refinery, California	gal.	.0825-	.115
Pennsylvania	gal.	.0925-	.1025
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.08375-	—
No. 3	gal.	.08	—
N. Y. Harbor, No. 2	gal.	.0975	—
group 3, No. 1	gal.	.08125-	.0875
No. 1, straw	gal.	.09	.09375
No. 2, straw	gal.	.07625-	.08125
range	gal.	.0875-	—
Pennsylvania, western, No. 1.	gal.	.1075-	.1135
No. 2	gal.	.105	.112
No. 3	gal.	.105	.112
Lacquer diluent, California, 170-225°F., b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.167	.207
East coast, tanks, N. J. and N. Y refinery	gal.	.18	—
group 3, benzol-type, tanks, refinery	gal.	.13125-	.13625
toluol-type, tanks, refinery	gal.	.12125-	.12378
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco	gal.	.147	.157
East coast, tanks, N.J., N.Y.	gal.	.16	—
Group 3, tanks	gal.	.10875-	—
tankwagon, Baltimore	gal.	.175	—
Boston	gal.	.18	—
Buffalo	gal.	.185	—
Newark	gal.	.17	—
New York	gal.	.165	.17
Philadelphia	gal.	.165	—
Pittsburgh	gal.	.19	—
Providence	gal.	.185	—
Rochester	gal.	.20	—
Syracuse	gal.	.21	—
Washington, D. C.	gal.	.195	—
specially refined, tanks, f.o.b. Watson, Calif.	gal.	.228	—
f.o.b. Bordertown, Tex.,	gal.	.24	—
f.o.b. Houston, Texas.	gal.	.24	—
f.o.b. Wood River, Ill.	gal.	.2625	—
tank transport, f.o.b. Carteret, N. J.	gal.	.336	—
tankwagon, N. Y. and N. J.	gal.	.37	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery	gal.	.16	—
Group 3 tanks	gal.	.11875-	—
tankwagon, Newark	gal.	.17	—
New York	gal.	.17	—
Philadelphia	gal.	.165	—
high flash, 140°, group 3, refinery, tanks	gal.	.134	.1425
high-solvency, 260-235 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East Coast	gal.	.25½-	—
25-26° C., m.a.p., tanks, same basis	gal.	.24	.30⅛
270-370 b.r., 78-81°C., m.a.p., tanks, same basis	gal.	.29	—
49°C, m.a.p., tank, same basis	gal.	.32	—
26-27° C., m.a.p., tanks, same basis	gal.	.24	.33
300-400 b.r., 28°-32° C., m.a.p., tanks, same basis	gal.	.24	.30½
340-410 b.r., 36° C., m.a.p., tanks, same basis	gal.	.24	—
32° C., m.a.p., tanks, same basis	gal.	.24	.30⅛
27° C., m.a.p., tanks, same basis	gal.	.34½-	—
350-425 b.r., 32° C., m.a.p., tanks, same basis	gal.	.30½-	.31⅛
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles.	gal.	.152	—
Portland, Ore.	gal.	.158	—
San Francisco	gal.	.157	—
Seattle, Wash.	gal.	.158	—
East coast, N. J., N. Y., tanks	gal.	.17	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Boston	gal.	.195	—
Newark	gal.	.185	—
New York	gal.	.185	—
Philadelphia	gal.	.180	—
Pittsburgh	gal.	.20	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.157	—
East coast, N. J., N. Y	gal.	.17	—
Group 3, tanks	gal.	.11875-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	.197
East coast, N. J., N. Y., tanks	gal.	.16	—
Group 3, tanks	gal.	.11375-	—
Pennsylvania, western, tanks, l.c.l., same basis	lb.	.20	—
tankwagon, Boston	gal.	.18	—
Newark	gal.	.17	—
New York	gal.	.17	—
Philadelphia	gal.	.165	.17
Pittsburgh	gal.	.19	—
Syracuse	gal.	.21	—
Sulphonate, oil soluble, 70%, sulphonic content, non-ret. dms., c.l., works	lb.	.2040-	—
l.c.l., works	lb.	.2065-	—
tanks, works	lb.	.1850-	—
60-62% sulphonic content, non-ret. dms., works	lb.	.175	.20
l.c.l., works	lb.	.185	.202
tanks, works	lb.	.145	.165
50-55% sulphonic content, non-ret. dms., works	lb.	.155	—
l.c.l., works	lb.	.165	—
tanks, works	lb.	.125	—
Phenobarbital, USP, dms., 100 lbs	lb.	4.50	4.70
Phenobarbital-sodium, USP, dms.	lb.	4.50	4.70
Phenol, 90-92% (cresol, 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies	lb.	.18¾-	—
l.c.l., same basis	lb.	.19½-	—
ret. dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.18½-	—
tanks, same basis	lb.	.17	—
82-84% (cresol, 16-18%), non-ret. dms., c.l., same basis	lb.	.18¼-	—
l.c.l., same basis	lb.	.19	—
ret. dms., c.l., same basis	lb.	.17½-	—
l.c.l., same basis	lb.	.18	—
tanks, same basis	lb.	.16½-	—

In the Chemical Industry

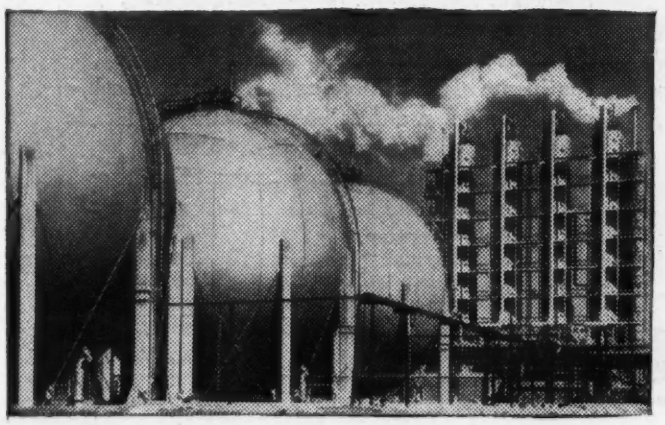
Where performance counts you can count on Enjay for.....

Uniform, High Quality

OXO ALCOHOLS

ISO-OCTYL DECYL TRIDECYL

(BRANCHED PRIMARY ALCOHOLS)



ENJAY

A pioneer and leading marketer of Oxo Alcohols, the Enjay Company with its affiliates, have greatly expanded production to keep pace with increased sales. Quality has been constantly improved. More and more manufacturers of esters, plasticizers, synthetic oils, detergents and other chemical derivatives are turning to Enjay for Oxo Alcohols.

A complete line of dependable products for Industry

PETROLEUM	SURFACE COATING	CHEMICAL
PARANOX	PETROHOL 91	PETROHOL 91
PARATONE	PETROHOL 95	PETROHOL 95
PARAFLOW	PETROHOL 99	PETROHOL 99
PARAPOID	Secondary Butyl Alcohol	Iso-Octyl Alcohol
PARADYNE	Secondary Butyl Acetate	Decyl Alcohol
PARATAC	Isopropyl Acetate	Tridecyl Alcohol
ENJAY Anti-Freeze	Acetone	Dicyclopentadiene
PETROHOL	Methyl Ethyl Ketone	Isoprene
Methyl Ethyl Ketone	Ethyl Ether	Butadiene
Dewaxing Aid	Isopropyl Ether	Ethyl Ether
Ethyl Ether	Dicyclopentadiene	Isopropyl Ether
Isopropyl Ether	Naphthenic Acids	Tripropylene
Reference Fuels	Iso-Octyl Alcohol	Tetrapropylene
	Decyl Alcohol	Aromatic Tars
		Acetone
		Methyl Ethyl Ketone

The Enjay Company has long been recognized as a leader in the development and marketing of high-quality products for the oil, surface coating and chemical industries. Backed by greatly expanded plant and distribution facilities, the Enjay Company is supplying a constantly growing list of chemical products to many different industries.

BE SURE TO CALL ON ENJAY FOR YOUR CHEMICAL NEEDS

ENJAY COMPANY, INC.

15 West 51st Street, New York 19, N. Y.

Phenol, 39° or above, tar distilled, non-ret. dms., c.l., same basis..lb. .19¼- —
l.c.l., same basis.....lb. .20 - —
tanks .....lb. .17½- .18
ret. dms., c.l., same basis..lb. .19 - —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- .18
USP, synthetic, dms., c.l., same basis..lb. .19¾- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18 - —
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots..... lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 - —
over 2,100 lbs., same basis lb.. .52 - —
less than 2,100 lbs., same basis. lb. .54 - —
Phenyl acetate, dms., 100 lb. lots, works lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100% bots lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works, lb. 1.10 - —
smaller dms., works..... lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works lb.27.00 -37.50
Phenylcarbetnoxy pyrazolone, 250-lb. fib dms., divd. E lb. 3.60 - —
less than 250-lb. dms., divd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld lb. .40 - —
l.c.l., frt. alld ..... lb. .36 - .41
Phenylethanolamine, dms., c.l., works lb. .69½- —
l.c.l., same basis..... lb. .70 — —
Phenylethyl acetate, dms.....lb. 1.20 - 1.57
Phenylethylphenyl acetate, bots. lb. 4.05 - 4.50
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride commercial, kgs., works lb. 1.73 - —
purified, bots., works.....lb. 5.12 - —
Phenylmethylpyrarolone, (see Metamipnenylpyrazolone).
Phloroglucinol, comi., fib. dms., works lb. 6.40 - —
C.P., bots., fib. dms.....lb.17.00 -17.25
tech fib., dms works.....lb.10.45 —
Phosgene, 150-lb cyls., works... lb. .27½- —
Phosphate defluorinated (see under D)
Phosphate rock Curacao, Atlantic ports. ton.45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk c.l., mines, 70%-68%, b.p.l., c.l., same basis .....long ton. 4.35 - 4.40
72-70%, b.p.l., l., same basis..long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. .....lb. .44 - .45
yellow, cns. .....lb. .30 - .37
dms., c.l. .....lb. .26 - —
Oxychloride, dms., c.l., works...lb. .13 - .14
l.c.l., dms., works.....lb. .15 - .18
tankcars, works ..... 100 lbs. .11½- —
Pentasulphide, solid, dms., c.l., works..lb. .11½- —
l.c.l., dms.. works.....lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works..lb. .28 - .29
dms., export.....lb. .33¾- .36
Trichloride, dms., c.l., works..lb. .13 - .14
l.c.l., works .....lb. .15 - .18
tankcars, works.....lb. .11½- —
Phthalic anhydride, bgs., c.l., works, frt. equald.....lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis .....lb. .21½- —
Phthalic anhydride in bags., ½c. per pound higher.
Phthalimide, 97%-98%, dms. works, frt. alld .lb. .63 - —
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs .....lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots..oz. 5.25 - —
Nitrate, USP, bots., vials.....oz. 5.10 - —
Pimento, Guatemala, bgs.....lb. .20 - .20½
Jamaica, bgs.....lb. .28 - .28½
Mexican, bgs. ... .lb. .15½- .16
Pinetar, retort, dms., incl. c.l., works lb. .0511- —
l.c.l., same basis.....lb. .0568- —
whse. .....lb. .0678- —
Pinkroot, bls.....lb. 2.50 - 2.55
Piperazine hexahydrate, French Codex bots..kilo. 8.00 - 8.50
Piperidine, 98%, 500-lb. dms., frt. equald..lb. 2.60 - —
Piperonyl butoxide, dms., divd. E lb. 5.00 - 5.30
Cyclonene, dms., divd. E.....lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works 100 lbs. 9.80 -10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works..ton.38.00 -45.20
Cottonseed, dms., works.....lb. .02¼- .03
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms.....lb. .06 Nom.
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South..100 lbs. 7.50 - —
Soybean, dms., works.....lb. .05 Nom.
Tall, dms., works .....lb. .03¾- .04½
Plaster of Paris (see Gypsum).
Platinum metal, works.....oz.90.00 -93.00
Pleurisy root, bls.....lb. .45 - .50
Podophyllum resin, NF, dms....lb.11.00 -11.20
Pokeroot, bls. .....lb. .20 - .22
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. lb. .45 - —
lb. .45 - —
smaller lots, works.... lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. smaller lots, works..... lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .25½- .26
10,000-19,999 lbs., same basis lb. .26 - .26½
5,000-9,999 lbs., same basis. lb. .26½- —
standard, bgs.....lb. .25½- .26

Polystyrene crystals, heat-resistant, bgs., c.l. .lb. .34 - —
l.c.l. .....lb. .34½- —
standard, bgs., c.l. .....lb. .32½- —
l.c.l. .....lb. .33 - —
Polystyrene in non-returnable fib., dms., ½c. per lb. higher.
Pomegranate root bark, bgs.....lb. .75 - .76
Poppy flowers, bgs .....lb. 1.20 - 1.25
Seed, Dutch, bgs.....lb. .16¼- .16½
Polish, bgs. .....lb. .15¼- —
Turkish, bgs. .....lb. .13¼- —
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works .....100 lbs.10.75 - —
liquid, 45%, dms., c.l., works. 100 lbs. 4.625 - —
l.c.l., works.....100 lbs. 5.125 - —
tanks, works.....100 lbs. 4.30 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.40 - —
l.c.l., works .... 100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works .....100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l. same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92% dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works.. 100 lbs. 8.65 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms .....lb. .35 - .36
Bicarbonate, USP, gran., dms. lb. .22 - —
powd., dms. .....lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½- —
l.c.l., same basis.....lb. .14¾- .15⅛
Potassium bichromate in drums ⅛c. higher.

Potassium bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots.....lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 6.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works .....100 lbs. 7.50 - —
USP, gran., bbls., dms..... lb. .16½- .18
powd., bbls., dms. ..... lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .09¾- —
l.c.l., works ..... lb. .10 - .11
powd., dms., c.l., works.....lb. .10¼- —
l.c.l., works ..... lb .10¾- .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms .....lb. .32 - .33
Chloride, USP, cryst., dms.....lb. .21 - .23
gran., dms .....lb. .15 - .17
powd. dms .....lb. .24 - .26
Chromate, tech., bgs.....lb. .33½- .36
Citrate, USP, gran., dms .... lb. .37½- .38½
powder dms .... lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
less than 500-lb. lots, works .. lb. .57 - —
Fluoborate, fib. dms., c.l., works, lb. .26 - —
l.c.l., works .....lb. .27 - —
Fluoride, dms., works.....lb. .24 - —
Gluconate, dms .....lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25

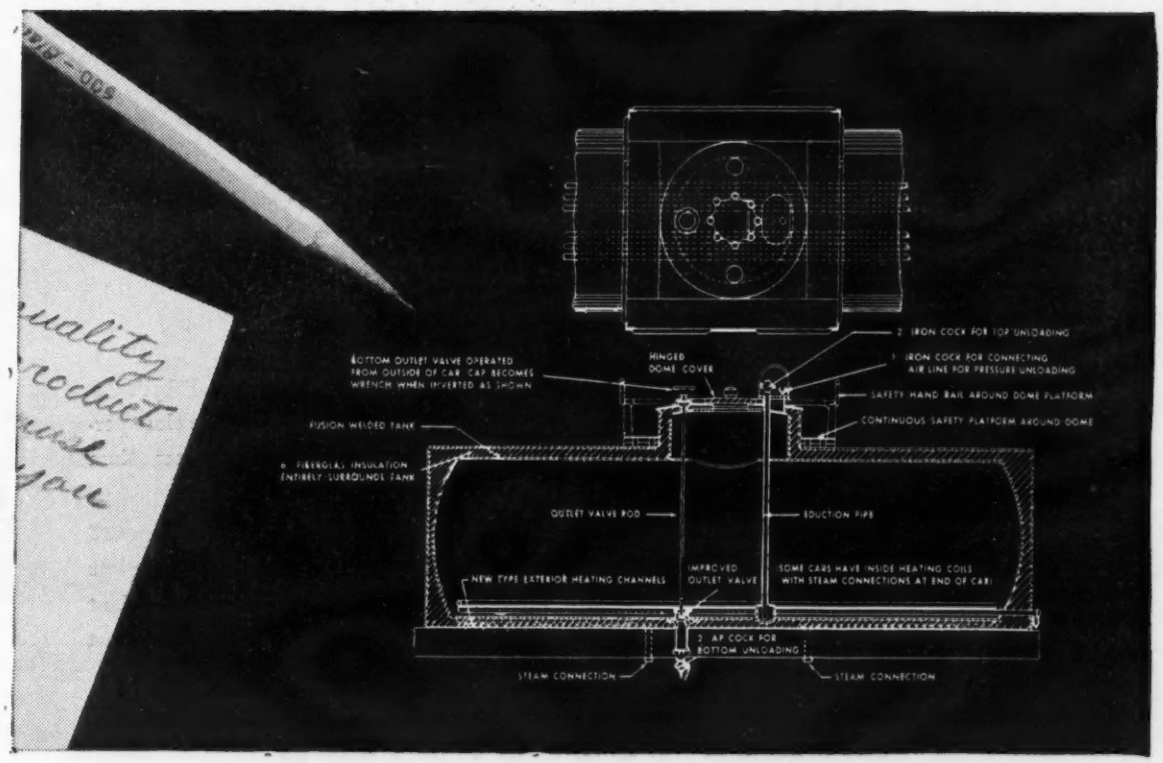
Potassium guaiacolsulphonate NF dms..lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms 1 to 100 dms lb. .28½- .33
Hypophosphite, NF, ton lots or less, fib dms lb. 1.00 - 1.03
Iodide, dms.....lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. ..... lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M...unit-ton. .43 - —
Trona, Cal. .....unit-ton. .53 - —
50-51% K_2O paper bgs., Carlsbad, N. M ton.25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., rms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works..ton.184.00 - —
ton lots, bbls., ex whse ton.261.00 - —
less ton lots, bbls., ex whse.ton.266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works .....lb. .14½- .15⅛
Permanganate, tech., dms., works. lb. .22½ .23½
USP dms., works lb. .24¾- .30¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .22
Phosphate, tetrahasic, bbls., works. lb. .16½- .18¼
Prussiate, red, kgs .....lb. .60 - .63
yellow, dms., ton lots.....lb. .22½- —
smaller quantities.....lb. .23 - —
kegs .....lb. .28 - —

Phenol, 39°—Potassium Prussiate

DOW

MODERN TANK CARS MAINTAIN HIGH QUALITY OF DOW CAUSTIC SODA FROM PLANT TO YOU

Special design permits safe, fast shipment and convenient unloading


2" IRON COCK FOR TOP UNLOADING
BOTTOM OUTLET VALVE OPERATED FROM OUTSIDE OF CAR CAP BECOMES WRENCH WHEN INVERTED AS SHOWN
HINGED DOME COVER
1" IRON COCK FOR CONNECTING AIR LINE FOR PRESSURE UNLOADING
SAFETY HAND RAIL AROUND DOME PLATFORM
CONTINUOUS SAFETY PLATFORM AROUND DOME
FUSION WELDED TANK
6" FIBERGLAS INSULATION ENTIRELY SURROUNDS TANK
OUTLET VALVE POD
EDUCTION PIPE
NEW TYPE EXTERIOR HEATING CHANNELS
IMPROVED OUTLET VALVE
SOME CARS HAVE INSIDE HEATING COILS WITH STEAM CONNECTIONS AT END OF CAR
2" AP COCK FOR BOTTOM UNLOADING
STEAM CONNECTION
STEAM CONNECTION

All of Dow's caustic soda shipping points throughout the country maintain a large fleet of modern tank cars.

Each of these Dow owned cars is insulated, protectively lined and fitted with nickel heating coils. They are equipped to permit unloading from the top or bottom by air pressure or pump. There are frangible discs or safety valves to prevent possible injury to workers from excessive air pressure and they have protective plug cocks on the bottom outlet leg.

When you order caustic soda solution from Dow, regardless of whether shipment is made from Dow's three large plants at Midland, Michigan, Freeport, Texas and Pittsburg, California or from terminals at Carteret, New Jersey; Charleston, South Carolina or Los Angeles, California, you can be certain of dependable delivery of high quality caustic. All tank cars are expertly maintained and thoroughly washed and inspected before every loading. Caustic soda 48-50% solution and 71-73% solution are delivered in 8,000 and 10,000 gallon tank cars.

The next time you buy caustic soda, whether it is solution, solid, flake or ground flake, buy from Dow. Write for Dow's CAUSTIC SODA HANDBOOK for complete unloading, handling and product information. Wherever you are, you're close to Dow caustic soda. THE DOW CHEMICAL COMPANY, Midland, Michigan.

you can depend on DOW CHEMICALS

DOW

Potassium Silicate—Red, Phloxin

Potassium silicate, glass, bgs., c.l., works..100 lbs. 14.70 - —
l.c.l. ..... 100 lbs. 15.20 - —
solution, clarified, 29° Be, 1:2.5, dms., c.l., works..100 lbs. 5.50 - 5.65
l.c.l., 5 dms. or more, works..100 lbs. 6.25 - 6.65
tanks, works..... 100 lbs. 5.15 - 5.30
tech., 29° Be, 1:2.5, dms., c.l., works..100 lbs. 4.85 - —
l.c.l., dms., works.. 100 lbs. 5.35 - —
tanks, works.....100 lbs. 4.50 - —
32.5° Be., dms., c.l., works 100 lbs. 4.95 - —
l.c.l., works.....100 lbs. 5.45 - —
tanks, works.....100 lbs. 4.60 - —
40.5° Be., 1:2.0, dms., c.l., works .100 lbs. 5.45 - 6.70
l.c.l., 5 dms., works. 100 lbs. 5.95 - 7.85
tanks, works .....100 lbs. 5.10 - 6.35
Silicofluoride, bbls., works.....lb. .09½- .10
Stannate, dms., frt. alld. E..lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%..ton. 36.25 - —
NF VII cryst., dms.....lb. .31 - .33
gran., dms. .....lb. .18½- —
powder, dms. .....lb. .16½- .17
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms., 100-lb. lots or less..lb. .87 - .94
tech., works .....lb. .77 - .79
Titanate, ctns., c.l., works.....lb. .12¼- —
5-ton lots, works .....lb. .12¾- —
1-ton lot or less, works....lb. .13 - —

Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .35 - .38
Oxalate, bbls., dms .....lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works. lb. .50 - —
l.c.l., works .....lb. .52½- .55
Pregnenolone, bots.....gm. 1.50 - —
Acetate, bots.....gm. 1.25 - —
Prickly ash bark, bls.....lb. .55 Nom.
Berries, bgs. .....lb. .70 - .75
Prince's pine herb, bls.....lb. .60 - .61
Procaine hydrochloride, USP, cms., frt. alld..lb. 3.10 - 3.40
Progesterone, USP, 100 gms., bots.. gm. 1.75 - —
Propane, commercial grade, tanks, group 3 gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —
Propyl acetate, normal, dms., c.l., dlvd lb. .125 - —
l.c.l., dlvd.....lb. .135 - —
tanks, dlvd.....lb. .1075- —
Aldehyde (see Propionaldehyde).
Gallate, dms., 2,000 to 100 m. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms.. lb. 2.30 - 2.40
Propylene dichloride, dms., c.l., dlvd. E..lb. .0645- .095
l.c.l., same basis.....lb. .0950- .1050
tanks, same basis.....lb. .07 - .08
Oxide, dms., c.l., dlvd. E.....lb. .19½- .20½
l.c.l., dlvd. E.....lb. .20½- .21½
tanks, dlvd. E.....lb. .17½- .18½

Propyleneglycol, industrial, dms., c.l., dlvd. E..lb. .19¼- .21¼
l.c.l., same basis.....lb. .20¼- .22¼
tanks, same basis.....lb. .17½- .18½
USP, dms., c.l., dlvd. E.....lb. .20¼- .21½
l.c.l., same basis.....lb. .21¼- .22¼
tanks, same basis.....lb. .18½- .19½
Methylether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .18½- —
Propylthiouracil, bots., 50-kilo lots or more..kilo. 55.00 - —
smaller lots .....kilo. 55.10 -55.30
Psyllium seed, black, bgs.....lb. .27 - .30
blonde, bgs. .....lb. .17 - .18
husks, bgs. .....lb. .50 - .51
Pulsatilla herb, bls.....lb. .52 - .53
Pumice, com. grd., coarse to fine, 0, ½, 1, 1½, 2, 3 bgs., ton lots .lb. .03¾- .04¼
smaller, lots .....lb. .03⅞- .04½
Italian, silk-screen, coarse, bags, ton lots..lb. .06½- —
fine, bgs., ton lots .... lb. .04 - —
sun dried, coarse, bgs. ton. lots lb. .02½- .04
fine, bgs., ton lots ..... lb. .02½- .04
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs..... lb. .18 - .20
Pyrethrin, synthetic (see Allethrin).
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works. lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71¼- —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, bbls., works ....gal. 9.75 -10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works gal. 15.75 - —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works. lb. 11.00 -12.00

Pyridin, denaturing, dms., c.l., works and frt. equald. gal. 2.77 - —
l.c.l., same basis.....gal. 2.80 - —
refd., 2°, non-ret. dms., l.c.l., same basis..lb. .981 - 1.15
Pyridoxine hydrochloride, 100-gram. bots gram. .55 - —
Pyrites ..... long-ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF..... lb. 3.25 - 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton. 13.00 -13.50
No. 3, 200 mesh, bulk, c.l., mines. ton. 11.00 - —
rubber grade, 140 mesh, bgs., c.l., mines ton. 11.50 -12.00
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines.....ton. 12.50 - —
230 mesh, bulk, c.l., mines. ton. 13.50 - —
325 mesh, bulk, c.l., mines. ton. 16 75 - —
Standard and No 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra
Pyroxylin scrap, opaque, amber, cs., works..lb. .15 - —
black, cs., works.. lb. .12 - —
mixed, mottled, cs., works lb. .11 - —
white, china, ivory, cs., works, lb. .12 - —
dense cs., works ... lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent, colorless, cs., works lb. .20 - —
colors, cs., works ... lb. .14 - —
shavings, opaque, amber, cs., works lb. .12 - —
mixed, colors, cs. works lb 12 - —
USP, bots. .....lb. 9.50 - —

Q

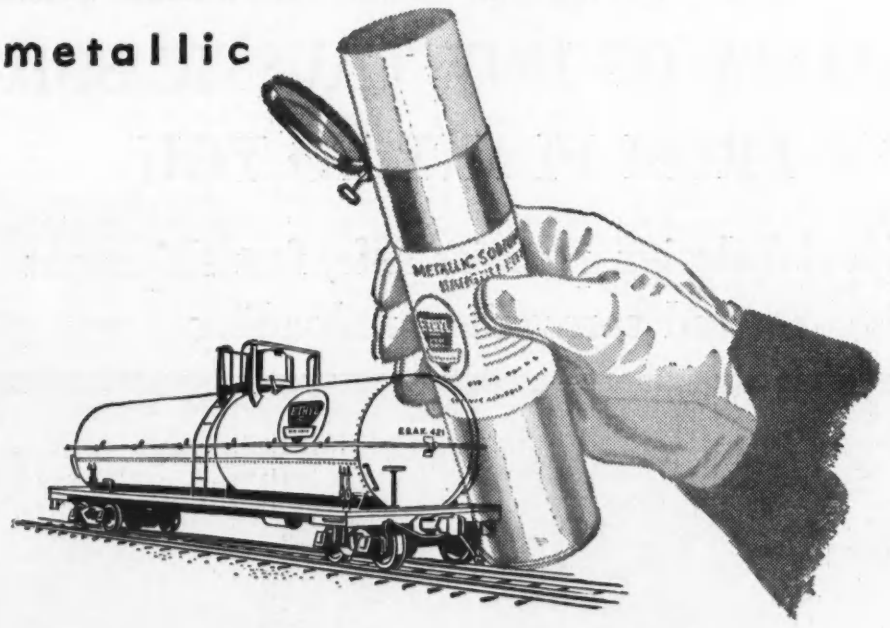
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., works..lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis ... lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12⅞- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .25 - .26
Quercitron extract, crystals, No. 1, bbls., l.c.l. lb. .40 - —
liquid, No. 1, bbls., l.c.l.... lb. .19 - —
Quicksilver, flasks (76 lbs. net) flask. 210.00 -212.00
Quince seed, bgs..... lb. .89 - 1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.00 - —
Quinine, NF, cns., 100-oz. lots oz. .70 - —
Bisulphate, USP cns., 100-oz. lots oz. .51 - —
Dihydrochloride, USP, cns oz. .70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots oz. .75 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots oz. .63 - —
Phosphate, NF cns., 100-oz. lots oz. .76 - —
Salicylate, NF cns., 100-oz. lots oz. .66 - —
Sulphate USP, cns., 100-oz. lots oz. .56½- —
Quinine and Urea hydrochloride, NF, cans oz. .68 - —
Quinolin, dms., c.l., frt. equald..lb. .50¾- —
l.c.l., same basis.....lb. .51¼- —
tanks, same basis .....lb. .50 - —

R

R salt, paste, basis, 100%, dms., frt. alld. lb. .83 - —
powd., basis, 100%, frt. alld. lb. .88 - —
Raspberries, dried, bbls.....lb. 1.30 - 1.35
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light, medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls.....lb. 1.75 - —
resinated, bbls .....lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis...lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis lb. NP - —
lithopone, deep shade, bbls., same basis..lb. 1.76 - —
light shade, bbls., same basis, lb. 1.61 - —
maroon shade, bbls., same basis lb. 1.85 - —
medium shade, bbls., same basis lb. 1.71 - —
medium-light shade, bbls, same basis lb. 1.66 - —
orange-red shade, bbls., same basis..lb. 1.57 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12½- —
Iron oxide, pure, 98% terric oxide, bgs., c.l., works lb. .12¼- —
l.c.l., works ..... lb. .12½- —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¾- —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls., works....lb. .79 - —
rubine, toner, pure, bbls., works lb. 1.50 - —
resinated, bbls., works ... lb. 1.40 - —
Virginia-type, bbls., works lb. 1.40 - —
Maroon toner, BON, arylid, dlvd. lb. 3.60 - 5.90
Cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls., works .... lb. 1.10 - —
MNPT, toner, kgs., works lb. 3.60 - —
Maroons in smaller pkgs. 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs. works lb. 4.22 - —
smaller lots, works .....lb. 4.24 - —
Metallic, bbls., c.l., works.....lb. .02½- —
l.c.l., works.....lb. .02¾- —
Oxide (see Red, iron oxide)
Persian gulf, bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .07 - —
Para toner, bbls.....lb. .85 - —
Chlorinated, kgs.....lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).

SODIUM

metallic



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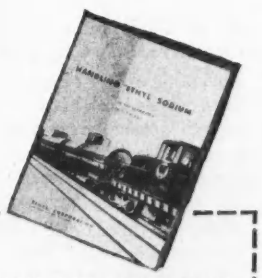

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Red, rhodamine, molybdated, PMA., kegs	lb.	4.90	—
tungstated, PTMA, works, kegs,	lb.	6.35	—
Spanish, oxide, bbls., c.l., ex dock	lb.	.05¾-	—
l.c.l., ex dock	lb.	.06	—
ex whse., New York	lb.	.06½-	—
Toluidin toner, deep shades, kgs., works	lb.	1.40	—
light shades, kgs., works	lb.	1.40	—
Turkey, bbls., works	lb.	.14½-	—
Tuscan, bbls., frt. equald	lb.	.24½-	.25
Venetian, 15%, bgs., works	lb.	.0350-	.0375
20%, bgs., works	lb.	.04	—
25%, bgs., works	lb.	.0450-	—
30%, bgs, works	lb.	.0475-	—
35%, bgs., works	lb.	.05	—
40%, bgs. works	lb.	.0525-	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, ctns.	lb.	3.79	—
Watchung-type, bbls.	lb.	1.95	—
Red KB base (see Chloro (4)-2-toluidine).			
Red precipitate, NF, powd., fib. dms	lb.	4.37	4.41
Red saunders, NF, powd., bbls	lb.	.35	—
Rennin, NF, powder	lb.	6.25	—
Resorcinol, tech. grade, dms., c.l., works	lb.	.82½-	—
l.c.l., works	lb.	.83½-	—
USP, cryst., dms., works	lb.	2.75	—
powd., dms., works	lb.	2.95	—
Monoacetate, NF, dms.	lb.	3.25	3.45
Rhatany root, bgs	lb.	.15	.16
Rhodinol, 5-lb. cans	lb.	40.00	-56.00
Rhubarb root, China, whole, cs	lb.	.85	.86
powd., bbls	lb.	.95	.96
India, whole, bgs	lb.	.35	.36
powdered, bbls	lb.	.40	.44
Riboflavin USP bots., dlvd	kilo.	100.00	—
readily soluble, bots., dlvd	kilo.	100.00	—
Rice bran, concentrate, dms., Cedartown, Ga	lb.	.79	—
Rochelle salt, USP, gran., powd., dms., c.l.	lb.	.32½-	—
5,000-lb. lots, dms., c.l.	lb.	.32½-	—
smaller lots	lb.	.33½-	.38½
Rose flowers, pale, bls	lb.	.45	Nom.
Rosemary flowers, bls	lb.	.95	.96
Leaves, French, bls	lb.	.11	.11½
Portuguese, bls.	lb.	.07	.07½
Spanish, bls	lb.	.09	.09½
Rosin, gum and wood (see Naval Stores, Protective Coatings market).			
Rotenone, CP, bbls., works	lb	20.00	—
tech., bbls., works	lb.	16.50	—
Rottenstone (see Tripoli)			
Rue herb, bls	lb.	.35	.40
Rutin, NF, 25 kilo lots, fib. dms.	kilo.	27.50	-40.00
10 to 25-kilo lots, fib. dms	kilo.	28.50	-40.00
1 to 10-kilo lots, fib. dms	kilo.	30.00	-40.00
Ryania, 100% powd., bgs., works	lb.	.20	—

S

Sabadilla seed, powd., bbls	lb.	.60	—
activated, ground with lime, bbls	lb.	.35	.40
Saccharin, USP, gran., soluble, dms., 1000-lb. lots	lb.	1.60	—
smaller lots	lb.	1.70	1.80
powd., soluble, insoluble, dms., 1000-lb. lots	lb.	1.65	—
smaller lots	lb.	1.75	1.95
Saffower, Egyptian, ols	lb.	.60	.65
Saffron, Mexican, bls	lb.	.95	.96
Spanish, USP, tins	lb.	21.50	-23.50
Safrol, dms	lb.	.72	1.35
Sage, Cretan, bls	lb.	.12	.12½
Cyprus, bls	lb.	.09	.09½
Dalmatian, bls.	lb.	.43	.44
Greek, bls.	lb.	.12	.12½
Italian, Officinalis, bls	lb.	.18	.20
Spanish, stemless, bls	lb.	.12	.12½
Syrian, bls	lb.	.11½-	.12
Turkish, bls.	lb.	.12½-	.13
Sago flour, raw, bgs	lb.	.07¾-	.08
refined, bgs.	lb.	.09¼-	.09½
Sal soda (see Soda sal).			
Salol, NF, gran., bbls., kgs	lb.	1.05	—
fib. dms	lb.	1.07	1.08
Powdered salol, 25c. higher.			
Salt, rock, paper bgs., c.l., works, 100 lbs.		.63	—
l.c.l. 100 lbs.		1.09	—
Table, vacuum, common, fine, paper bgs. c.l., works 100 lbs.		.77	—
l.c.l., works 100 lbs.		1.12½-	—
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis	ton	17.00	—
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs.		14.40	—
smaller lots 100 lbs.		14.65	-14.90
powd., bbls., 20-ton lots 100 lbs.		10.75	—
smaller lots 100 lbs.		12.00	-12.50
gran., bbls., 20-ton lots 100 lbs.		9.75	—
smaller lots 100 lbs.		11.10	-11.50
NF, gran. dms	lb.	09¾-	.17¾
Saltpeter in bags, 50c. per 100 lbs. less; in kegs, $1 more.			
Sandalwood chips, East Indies, bgs.,	lb.	.65	.66
powd., dms	lb.	.75	.76
Sanguinarine nitrate, bots	oz.	4.75	5.50
Santonin, NF, dom., dms., cryst., powd., cns	lb.	95.00	-105.00
imported, cryst. powd., cns	lb.	109.90	-111.80
Saponin, No. 1, 100-lb dm	lb.	2.75	—
Sarsaparilla root, dom., bls	lb.	.45	.50
Honduras, bls	lb.	.38	.40
Mexican bls	lb.	.22	.25
Sassafras root bark, ord., bls	lb.	.44	.45
select bls	lb.	.55	.56
Savory, French, bls	lb.	.21	.21½
Spanish bls	lb.	.14	.16
Saw palmetto berries, bgs	lb.	.32	.38
Scammony resin, lump, cns	lb.	1.95	2.20
powd., cns	lb.	2.05	2.30
Schaeffers salt, paste dms., frt. alld.	lb.	.77	—
powder bgs., frt alld	lb.	.80	—
Scopolamine hydrobromide, bots.	oz.	14.00	-15.00
Hydrochloride USP bots	oz.	8.00	—
Seidlitz mixture, bbls., 5,000 lbs	lb.	.30½-	—
smaller lots	lb.	.31	.32
Selenium powd., dms., dlvd	lb.	3.25	—
Senega root, bls	lb.	2.15	2.20
Senna leaf, Alex., half-leaf, bls.	lb.	.18	.20
sifting, bgs.	lb.	.16	.17
Tinnevelly, No. 1, bls	lb.	.20	.21
No. 2, bls	lb.	.18	.19
No. 3, bls	lb.	.14	.15
powdered, bls., bxs	lb.	.17	.18
Pods, bls.	lb.	.35	—
Serpentaria root, bls	lb.	5.00	5.10
Sesame seed, Nicaragua, hulled, bgs.	lb.	.20½-	.25
natural, bgs	lb.	.13¾-	.14
Turkish, bgs	lb.	.15	Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.43	—
bbls., 1,500-lb. lots	lb.	.44	—
kgs., 1,500-lb. lots	lb.	.46	—
refined, bgs., 1,500-lb. lots	lb.	.53	—
bbls., 1,500-lb. lots	lb.	.54	—
kgs., 1,500-lb. lots	lb.	.56	—
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb higher for all packages.			
Lemon, No. 1, bgs	lb.	.32	.34
No. 2, bgs	lb.	.29	.32
Superfine, bgs., 10-bg. lots	lb.	.28	.30
TN, bgs., 10-bg. lots	lb.	.25	.27
Shellac in 1 to 9 bg. lots, 1c. more.			
Shingle stain oil (see Oil, shingle stain).			

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works	ton	25.00	—
l.c.l., works	ton	30.00	-40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton	20.00	—
l.c.l., works	ton	25.00	-30.00
140 mesh, bgs., c.l., works	ton	15.00	—
l.c.l., works	ton	20.00	—
Silicon tetrachloride, tech., dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.20	.28½
Silver bullion, ingots, cs	lb.	.85¼-	—
Cyanide, fib. dms., 2,500-oz. lots	oz.	.77⅝-	—
1,000-oz. lots	oz.	.77⅝-	—
500-oz. lots	oz.	.77⅞-	—
100-oz. lots	oz.	.78⅛-	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.54¾-	—
1,000-oz. lots	oz.	.56	—
500-oz. lots	oz.	.56½-	—
250-oz. lots	oz.	.57	—
USP granular silver nitrate, 4c. per oz. higher.			
Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	1.05	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	1.00	—
Simaruba bark, bls	lb.	.90	Nom.
Skullcap herb, Eastern, bls	lb.	.50	.65
Western, bls	lb.	.30	.35
Skunk cabbage root, bls	lb.	.45	.55
Slate flour, bgs., c.l., works	ton	7.55	-13.00
l.c.l., ex whse	ton	19.85	-27.35
Sloe berries, bgs	lb.	.24	.28
Smalt, black, ctns	lb.	.15	—
Blue, ctns	lb.	.18	—
Snakeroot, Canada bls	lb.	.75	.80
Soapbark, bls.	lb.	.22	.24
crushed, bls., bbls	lb.	.27	.29
powd., bbls.	lb.	.30	.35

Soda ash, dense, 58% paper bgs., c.l., works	100 lbs.	1.60	—
l.c.l., stock points	100 lbs.	2.85	4.62
bbls., c.l., works	100 lbs.	2.15	—
l.c.l., stock points	100 lbs.	3.35	4.12
bulk, c.l., works	100 lbs.	1.30	—
light, 58% paper bgs., c.l., works	100 lbs.	1.50	—
l.c.l. stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	2.05	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.20	—
Soda, caustic, flake, powd., 76%, c.l., works	100 lbs.	3.75	—
l.c.l. stock points	100 lbs.	4.95	6.77
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.55	—
50% rayon type tanks, works, dry basis	100 lbs.	2.65	—
70% sellers' tanks, works, dry basis	100 lbs.	2.65	—
rayon type, tanks, works, dry basis	100 lbs.	2.75	—
solid, 76%, dms. c.l., works	100 lbs.	3.35	—
l.c.l. stock points	100 lbs.	4.55	5.05
Sal, bgs., c.l., works	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.70	—
Soda-lime, USP, dms	lb.	.23	.25
Sodium acetate, anhyd., bgs., c.l., works	lb.	.12	—
l.c.l., dms	lb.	.12¾-	—
NF, gran., dms., works	lb.	.08½-	.16½
Alginate, refined, bbls., works	lb.	.83	—
semi-refined, bbls., works	lb.	.54	—
NF, white, powd., dms., ton lots, works	lb.	1.30	—
Antimoniate, bbls., c.l., dlvd. E.	lb.	.27½-	—
l.c.l., dlvd.	lb.	.29	—

Red, Rhodamine—Sodium Cacodylate

Sodium arsenate, dms., c.l., works	lb.	.12½-	—
l.c.l. dms., works	lb.	.13¾-	.14¼
Arsenite dms. c.l., works	lb.	.13½-	—
l.c.l., dms works	lb.	.14¼-	.15¼
solution, dms., works	gal.	.70	1.10
Ascorbate, dms., 25-50 kilo lots	kilo.	21.00	—
10 kilo lots	kilo.	21.35	—
5 kilo lots	kilo.	21.75	—
1 kilo lots	kilo.	22.00	—
500 gram lots, bots	kilo.	22.50	—
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.37½-	.39
USP, bbls., dms., 100 lbs. or more	lb.	.44½-	.46
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.50	—
l.c.l. works	100 lbs	3.15	—
powd. bgs., c.l., works	100 lbs	2.10	—
l.c.l. works	100 lbs	2.75	—
Bichromate, bgs., c.l., works	lb.	.11	—
l.c.l., same basis	lb.	.11¼-	.12
Bifluoride, bbls., c.l., works, frt. equald	lb.	.1375-	—
l.c.l., same basis	lb.	.1415-	—
Bisulphate, bulk, c.l., works, 100 lbs		2.00	—
dms., c.l., works	100 lbs	2.65	3.85
l.c.l., works	100 lbs	3.05	3.65
Bisulphite, anhyd. bgs., c.l., works, 100 lbs		4.05	—
l.c.l., works	100 lbs.	4.30	—
solut. 35° bbls., c.l., works, 100 lbs		1.40	—
l.c.l. works	100 lbs	1.80	—
Borate (see Borax)			
Bromide USP, bbls., kgs., works,	lb.	.34	.38
Cacodylate NF, jars, dms	lb	8.52	—

"WHERE DO YOU GET YOUR ALKALIES, JIM?

"I ALWAYS GO TO SOLVAY *FIRST* FOR ALKALIES···*Here's why...*

REG. U. S. PAT. OFF.

SOLVAY

Soda Ash
Caustic Soda
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Sodium Bicarbonate
Specialty Cleansers
Sodium Nitrite
Monochlorobenzene
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Ammonium Chloride
Sesquicarbonate of Soda

···First off, I've found that Solvay always takes care of its customers—in good times and bad! I know I can really depend on Solvay in a pinch.

I also like the treatment I get from the sales staff—always courteous and helpful. And it's convenient doing business with Solvay because one of their sales offices is located near me.

In addition, I feel that when I buy alkalies, I might as well get the "extras" that Solvay offers ...like the Solvay Technical Bulletins that give you the kind of information no other technical bulletins have. Same with the Solvay Technical Service staff, a group that operates on an industry-wise basis, with men who are experts in individual industries.

Then Solvay has over 200 local stock points that practically cover the country, and three centrally located plants. This makes for better delivery service.

And, of course, I know I get dependable quality and uniformity when I order from America's oldest and largest producer. That's why I always go to *Solvay first* for alkalies.

SOLVAY PROCESS DIVISION
Allied Chemical & Dye Corporation
61 Broadway, New York 6, N. Y.

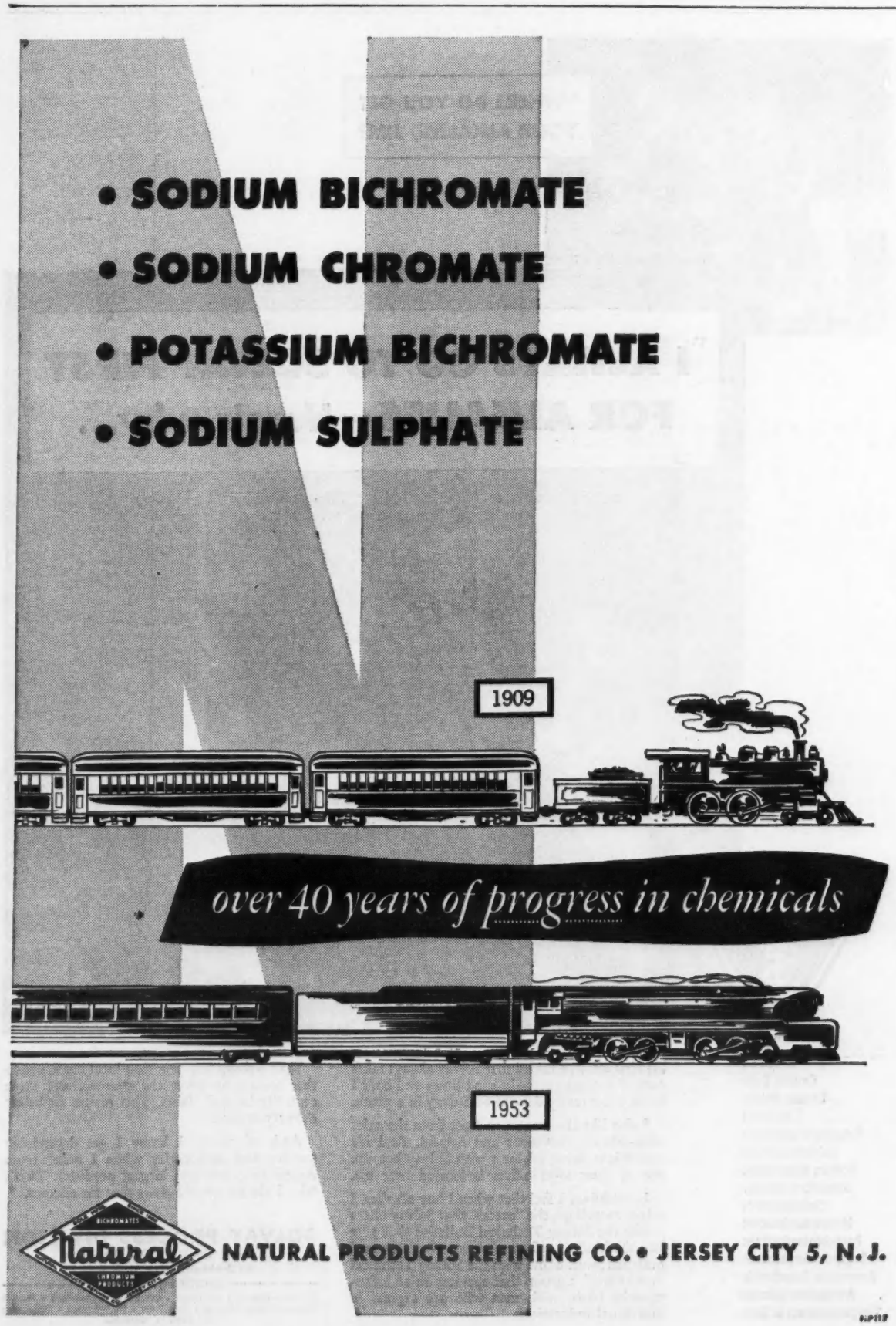
BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
Houston • New Orleans • New York • Philadelphia • Pittsburgh
St. Louis • Syracuse

Sodium Carbonate—Sodium Titanate

Sodium carbonate, anhydrous (see Soda ash).
crystalline, decahydrated (see Soda sal).
monohydrated, bgs., c.l., works. 100 lbs. 2.65 • —
l.c.l., works 100-lbs 3.05 • —
Carboxymethyl cellulose (see CMC).
Chlorate cryst., dms., c.l., works. lb. .08¼- —
l.c.l., works lb. .08¾- .09¼
Chloride, tech (see Salt).
USP, dms. lb. .03 • .12
Chlorite, tech., dms., works lb. .58 • .73
Chloroacetate, tech., dms., c.l., works lb. .24 • —
l.c.l., works lb. .25 • .26
Chromate, dms., c.l., works lb. .12¾- —
l.c.l. same basis lb. .13 • .13¾
Citrate, anhyd., dms. lb. .60 • .65
USP VIII, gran. dms lb. .22½- .29½
USP XIV, gran., dms. lb. .28 • .34
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 • 1.10
smaller lots, works lb. 1.00 • 1.25
Cyanide, flake, 96-98% dms., c.l., or 20,000-lb. lots lb. .168 • —
over 1,000 lbs lb. .178 • —
100-lb to 1,000-lb. lots lb. .188 • —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 • —
l.c.l., dms lb. .14¾- —
anhydrous, dms., c.l., works lb. .17 • —
l.c.l. lb. .17¾- —
Fluoride, white, 99% bbls., c.l., works lb. .11 • —
l.c.l., works lb. .1140- —
95% bbls., c.l., works lb. .1125- —
l.c.l., works lb. .1165- —
Sodium fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 • —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
Formate, bgs., c.l., dlvd. 100 lbs. 7.10 • —
l.c.l. 100 lbs. 8.15 • 8.45
Gentisate, 100-lb. fib. dms. lb. 8.50 • —
Gluconate, technical, bgs. lb. .35 • —
refined technical, dms. lb. .80 • .83
Glutamate, monobasic, dms., c.l lb. 1.67 • 1.69
Glycerophosphate, NF, cryst., bbls. lb. 1.80 • 1.95
powder, bbls lb. 1.85 • 2.00
solution, 75%, cbys. lb. 1.06 • 1.21
Hydride, dms., works lb. 2.00 • 3.00
smaller lots, dlvd lb. 1.66 • —
Hydrosulphide (see Sodium sulphyhydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½- —
l.c.l., frt alld lb .25 • —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb dms., 1 to 100 dms lb. .18½- .23
Hypophosphite, NF, dms, ton lots or less lb. .95 • .98
Hyposulphite, photo grade, bgs., c.l., works 100 lbs. 4.00 • 4.25
l.c.l., same basis 100 lbs. 4.65 • 7.15
pea crystals, bgs 100 lbs. 4.50 • —
gran., bgs., c.l., works 100 lbs. 5.00 • —
tech., bgs., c.l., works 100 lbs. 4.00 • —
l.c.l., works 100 lbs. 4.40 • 6.90
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Sodium iodide, USP, bots., dms. lb. 2.69 • —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms., cbys., works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd. lb. .25 • —
l.c.l., dlvd. lb. .26 • —
tanks, dlvd. lb. .23 • —
Metabisulphite, see sodium bisulphite
Metaborate, octahydrate, gran., bgs., c.l., works ton. 78.50 • —
l.c.l., ex. whse ton. 124.50 -129.50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
tetrahydrate, c.l., bbls., works. ton. 199.50 • —
Metallic, tanks, works lb. .16 • —
bricks, bbls., works lb. .17 • .19
Metanilate, bbls., frt. alld lb. .62 • —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.70 • —
l.c.l., works 100 lbs. 4.95 • 5.45
dms., c.l. 100 lbs. 5.05 • —
l.c.l. 100 lbs 5.30 • 5.55
Pentahydrate, bgs., c.l., works, 100 lbs. 3.80 • —
l.c.l., bgs., works 100 lbs. 4.15 • 4.35
dms., c.l., works 100 lbs. 4.20 • —
l.c.l., works 100 lbs. 4.55 • 4.95
Molybdate, crystals, bbls., works lb. .75 • .85
powd., anhy., dms. works lb. 1.05 • 1.06
Monohydrate (see Sodium carbonate., monohydrated).
Naphthionate, bbls lb. .70 • —
Sodium nitrate, crude, bgs., c.l., works ton. 51.00 • —
bulk, c.l., works ton. 47.50 • —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse ton. 57.00 • —
bulk, c.l., same basis ton. 53.50 • —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP, gran., dms lb. .17 • —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.85 • —
l.c.l., works 100 lbs. 7.60 • —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 • —
l.c.l., works 100 lbs. 5.50 • —
Oxalate, neut., bgs., works lb. .1040- —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 2.55 • 3.00
smaller lots lb. 2.80 • 3.40
Para-animosalicylate, dms., 1,000-lb. lots, frt. adjusted lb. 4.00 • —
smaller lots, same basis lb. 4.05 • 4.50
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
l.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l., same basis lb. .25 • —
l.c.l., same basis lb. .26 • .28
powdered, bgs., c.l., same basis, lb. .24 • —
l.c.l., same basis lb. .25 • .27
Pentachloropnenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 • —
l.c.l., works lb. .198 • —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .1860- —
l.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP LX, gran., dms lb. .44 • .45
powd., dms lb. .47 • .48
Phosphate, diabasic, anhyd., bgs., c.l., works 100 lbs. 7.25 • —
l.c.l., works 100 lbs. 7.65 • —
USP, dried powd., bgs., dms., works lb. .19 • .20½
duohydrate, bgs., c.l., works. 100 lbs. 6.65 • —
l.c.l., works 100 lbs. 7.05 • —
tribasic, cryst., bgs., c.l., frt. equald lb.
l.c.l., same basis 100 lbs. 4.45 • 8.20
Sodium phosphates in bbls. 40c. higher than bgs.
Prussiate yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots lb. .14 • —
monobasic, anhyd., bgs., c.l., works 100 lbs. 8.05 • 8.30
l.c.l. works 100 lbs. 8.45 • 8.70
100 lbs. 4.05 • 5.30
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.00 -10.75
ferric, dms. 1,500-lb. lots, works lb. .30 • —
smaller lots, works lb. .31 • —
tetrabasic, anhy., bgs., c.l., works, frt. equald 100 lbs. 7.50 • —
l.c.l., frt equald 100 lbs. 7.90 • —
Salicylate, USP, dms. lb. .63 • —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 • —
l.c.l., dlvd., zone 1 100 lbs. 3.85 • 4.10
zone 2 100 lbs. 4.10 • 4.35
zone 3 100 lbs. 4.40 • 4.65
zone 4 100 lbs. 5.10 • 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98° Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works 100 lbs. 2.45 • —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 • —
l.c.l., works 100 lbs. 7.00 • —
hydrated bgs., c.l., works 100 lbs. 4.25 • —
l.c.l., bgs., works 100 lbs. 4.60 • 5.00
Silicate, liquid, 40° 1:3.2, turbid, dms., c.l., works 100 lbs. 1.25 • —
l.c.l., works 100 lbs. 1.60 • 2.00
tanks, works 100 lbs. .90 • .95
47°, turbid., 1:2.9, dms., c.l., works 100 lbs. 1.80 -1.90
l.c.l., dms., works 100 lbs. 2.15 • 2.55
tanks, works 100 lbs. 1.45 • 1.55
52°, turbid., 1:2.4, dms., c.l., works lb. 2.10 • —
l.c.l., works 100 lbs. 2.45 • 2.85
tanks, works 100 lbs. 1.75 • —
solid, 1:3.2, bgs., works ton. 52.50 -55.00
Silicofluoride, bgs., c.l., works lb. .070 • —
l.c.l., works lb. .075 • .07⅝
Stannate, dms., works, frt. alld. E. lb. .660 • .716
Stearate, tech., dms., works lb. .43 • .44
USP, dms., works lb. .70 • .75
Sulphanilate, bbls., works lb. .22 • —
Sulphate, NF, VII, dried, powd., dms. lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 • —
l.c.l., works, same basis. 100 lbs. 2.50 • 3.00
rayon grd., bgs., c.l., works. ton. 27.00 • —
l.c.l., works ton. 33.00 • —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. .17½- .18
Sulphide, flake, bbls., c.l., works, E., frt. equald ton. 100.00 • —
l.c.l., same basis ton. 108.00 • —
fused, bbls., c.l., works, E. frt. equald ton. 88.50 • —
l.c.l., same basis ton. 98.50 • —
Sulphite anhyd., bgs., c.l., works 100 lbs. 2.73 • —
l.c.l., same basis 100 lbs. 2.33 • 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 • —
l.c.l., same basis 100 lbs. 5.20 • 6.45
powder, bbls., c.l., works 100 lbs. 6.75 • —
l.c.l., works 100 lbs. 7.25 • —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. ton. 115.00 • —
l.c.l., works ton. 125.00 • —
liquid 34-40%, 100% basis, tanks, works ton. 100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03½- —
l.c.l., works lb. .04 • —
Thiocyanate, CP, dms. lb. .55 • .65
tech., dms., works lb. .30 • —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .10¾- —
1 ton or less, works lb. .11 • —

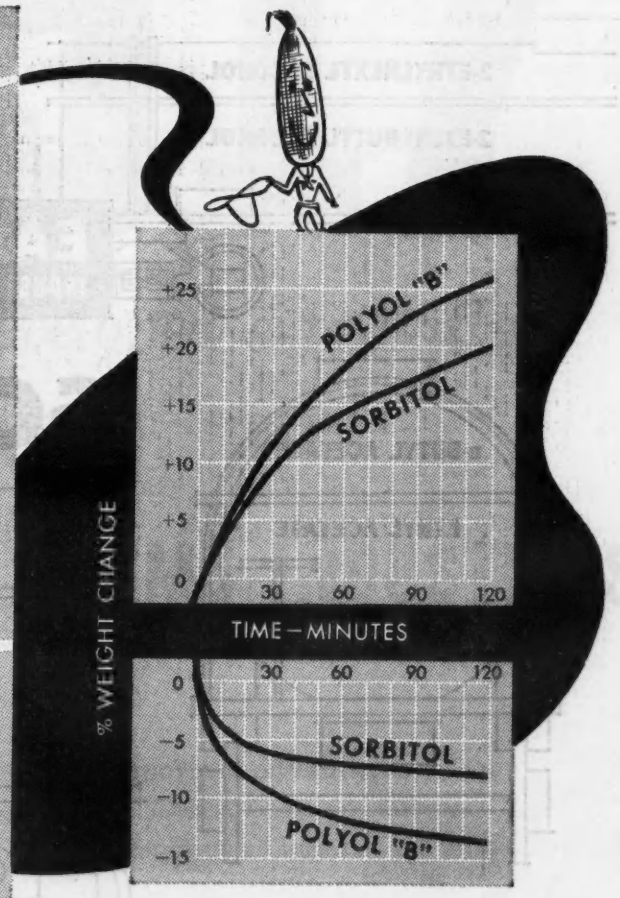


Sodium trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½- —
t.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 • —
t.c.l., frt. adjusted, E lb. .40 • —
10-lb. cns., c.l., frt. alld., E lb. .44 • —
t.c.l., frt. adjusted, E lb. .46 • —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald. 100 lbs. 7.85 • —
t.c.l. same basis 100 lbs. 8.25 • —
Trisilicate, powd., 3.3.2, bgs., c.l., works 100 lbs. 7.75 • —
t.c.l., works 100 lbs. 8.50 • 8.90
dms., c.l., works 100 lbs. 8.15 • —
t.c.l., works 100 lbs. 8.90 • 9.30
Tristearate, fib. dms., 20,000 lbs., works lb. .33 • —
10,000 to 20,000 lbs., works lb. .35 • —
smaller lots, works lb. .38 • .40
Tungstate, tech., kgs., dlvd. E lb. 3.15 • —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 • —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchopnen (see Cinchophen-sodium).
Sodium-formaldehyde sulphoxylate, c.l., dms., dlvd lb. .25½- —
t.c.l., same basis lb .26 • —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 • —
less than 1,000 lbs., same basis lb. .30 • —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 • .32
high-flash, tanks, works gal. .31 • .32
petroleum, 100°F., flash tanks, Baytown, Tex. gal. .31 • —
Bayonne gal. .39 • —
150°F., flash, tanks, Baytown, Tex gal. .31 • —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 • —
10,000 to 20,000 lbs., works lb. .34 • —
smaller lots, works lb. .37 • .39
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 • —
ton-lots to 5 tons, works lb. .32 • .33
powd., dms., ton lots to 5 tons, works lb. .38 • .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25 • —
less ton lots, works lb. .25¼- —
tanks, works lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16 • —
ton lots, works lb. .16¾ • —
less ton lots, works lb. .17 • —
tanks, works lb. .15 • —
Soybean meal, 44% bulk, Decatur. ton 64.00 -65.00
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis lb. .24¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0605- —
20,000 lbs., same basis lb. .0620- —
smaller lots same basis lb. .0635- —
Sparteine sulphate, cns. oz. .85 • 1.25
Spearmint leaves, bls. lb. .60 • .65
Spikenard root, bls. lb. .45 • .46
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works, lb. .05½- —
t.c.l., works lb. .05¾- —
Squaw vine leaves, bls. lb. .45 • .46
Squill red fortified powd., bbls. boxes lb. 1.60 • —
white, bls. lb. .12 • .15
powd., bbls., bxs. lb. .18 • .21
St. John's bread edible, bls. lb. .10 • 13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 7.14 • —
l.c.l. 100 lbs. 7.29 • —
powd., paper bgs., c.l. 100 lbs. 7.26 • —
l.c.l. 100 lbs. 7.32 • —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works lb. .08½ Nom.
Maine, bgs., c.l., works lb. .08½- —
l.c.l., spot lb. .11½- .12
imported, bgs., l.c.l. lb. .09½- .10¼
Rice, l.c.l., bgs lb. .16 • .17
Wheat, bgs lb. .0675- .0710
Stavesacre seed bgs lb. .60 • .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .30 • .31
Stomach substance, not USP, fib. dms. lb. 2.95 • 3.10
Stoneroot, bls lb. .07¼- .08
Storax, USP, cs lb. .90 • 2.05
Stramonium leaves, bgs lb. .17 • .19
Streptomycin, either hydrochloride or sulphate, bulk, gram. .15 • —
Strontium bromide, NF, cns., dms. lb. .77 • .78
Carbonate, 92%, dms lb. .23 • —
Chloride, tech., bbls lb. .24 • .26
Chromate, bbls., works lb. .46 • —
Iodide jars, 25-lb. lots lb. 3.37 • —
Nitrate, bbls., cs, works lb. .10¼- .11
Oxalate, bbls., works lb. No prices.
Salicylate, NF, dms lb. 1.65 • —
Sulphate, air floated, 90%, 325 mesh bgs., works ton 56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works lb 2.80 • 2.85
Strophanthin, NF, bots oz. 25.00 -25.50
Strophanthus seed, Komba, biologically tested, bgs lb. 3.25 • —
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 • —
Phosphate, NF, 100 ozs oz. 1.14 • —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 • —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works lb. .23¼- —
tanks, works lb. .21 • —
Stryrolyl acetate, bots lb. 1.45 • 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works lb. .71 • —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms lb. 4.00 • 4.50
Sodium, dms lb. 4.10 • 4.60
Sulphacetamide, fiber dms lb. 4.00 • 4.20
Sodium, fib. dms lb. 5.00 • 5.20
Sulphadiazin, USP, microcrystals, dms lb. 10.60 -11.10
powder, dms lb. 10.25 -10.75
Sulphadiazin-sodium, USP, dms lb. 11.25 -11.75
micro crystals, dms lb. 10.60 -11.10
Sulphaguanidin, USP, dms lb. 4.00 • 4.50
Sulphamerazin, USP, micro crystals. lb. 10.65 -11.15
Sulphamerazin-sodium, USP, dms., lb. 11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 • 9.40
powder, dms lb. 8.50 • 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 • 1.60
microcrystals, dms lb. 1.70 • 1.90
powder, dms lb. 1.30 • 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 • 6.75
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 • 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 • 8.00
Sulphathiazole, USP, micro crystals, dms lb. 3.15 • 3.30
powder, dms. lb. 2.80 • 2.95
Sulphathiazole-sodium, USP, dms., lb. 2.80 • 2.95
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 • —
bbls., mines 100 lbs. 2.20 • —
lump, bgs., mines 100 lbs. 1.70 • —
bbls., mines 100 lbs. 2.00 • —
crude, bulk, c.l., mines, contract, long ton. 21.00 -22.00
f.o.b. vessels, Gulf ports, ex-port long ton. 25.00 -27.50
domestic and Canada long ton. 22.50 -23.50
refined, flowers, USP, bgs., mines, 100 lbs. 3.60 • —
bbls. 100 lbs. 4.75 • —
flour, light, bgs., mines 100 lbs. 3.35 • —
bbls., mines 100 lbs. 4.25 • —
lump, bgs., mines 100 lbs. 2.90 • —
rolls, bgs., mines 100 lbs. 3.35 • —
bbls., mines 100 lbs. 3.80 • —
salt block, bgs., mines 100 lbs. 3.10 • —
virgin block bbls., mines 100 lbs. 3.05 • —
rubbermakers, com'l, regular bgs., mines 100 lbs. 2.25 • —
bbls., mines 100 lbs. 2.40 • —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 • —
bbls., mines 100 lbs. 3.40 • —
refined, bgs., mines 100 lbs. 2.85 • —
bbls., mines 100 lbs. 2.95 • —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.95 • —
bbls., mines 100 lbs. 3.80 • —
10% pine tar, bgs., mines, 100 lbs. 3.65 • —
Sulphur dichloride, dms., c.l., works, frt. equald lb. .03½- —
t.c.l., same basis lb. .04¼- —
tankcars, same basis lb. .03¼- —
Dioxide liquid, com'l, cyls., works lb. .09 • —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 • —
refrigeration cyls., l.c.l. dlvd. lb. .20 • .36
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
t.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03¼- —
washed, NF, bot. lb. .11 • —
Sumac leaf, 28%, bgs., ex-dock, short-ton. 120.00 • —
ground, same basis ton. 120.00 • —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Baltc unit-ton. .86 • —
Carteret, N J unit-ton. .86 • .88
triple, 48% or more, a.p.a. pulv., bulk, East Tampa, Fla. unit-ton. .91 • —
Sweet basil, California, bgs. lb. 1.05 Nom.
imported, bgs., futures lb. 1.00 • 1.35

T

2,4,5-T, dms., cl., works lb. 1.40 • —
l.c.l., works lb. 1.45 • 1.50
Isopropyl ester dms. c.l., works, lb. 1.45 • —
l.c.l., works lb. 1.50 • 1.57
Talc, dom., ordinary, Calif., grd., bgs., c.l., works ton. 25.00 -35.00
Vermont off color, grd., bgs., c.l., works ton. 14.00 • —
l.c.l., works ton. 17.50 • —
Talc, dom., fibrous, New York, grd., bgs., c.l., works ton. 25.00 -30.00
t.c.l. ton. 28.00 -35.00
99.5% 325 mesh, bgs., c.l., works ton. 27.00 —
l.c.l., works ton. 30.00 -32.00
99.95%, micronized, bgs., works, ton. 36.00 • —
imp. Canadian grd., bgs., c.l., mines ton. 15.25 -35.00
Tallow, edible, tanks, dlvd lb. .06½- —
inedible, extra lb. .04⅜- —
fancy lb. .04⅝- —
No. 1 lb. .04 • —
special lb. .04½- —
sulphonated, 25%, dms., l.c.l. lb. .05½- .05¾
50%, dms., c.l. lb. .06¼- .06½
Tamarind, W.I., bbls lb. .11 • .12
Tankage, animal, feeding, 9-11% ammo, bulk unit-ton. 5.25 • —
Chicago unit-ton. 6.25 • —
Tansy leaves bls lb. .25 • .30
Tapioca flour, high grade, ex whse., bgs. lb. .14½- .17
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 • .49
t.c.l., same basis gal. .50 • .51
tanks, same basis gal. .39 • —
25-28%, dms., c.l., same basis, gal. .54 • .56
t.c.l, same basis gal. .57 • .59
tanks, same basis gal. .46 • —
50-53%, dms., c.l., same basis, gal. .70 • .72½
t.c.l., same basis gal. .73½- .74½
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs lb. .45 • .50
Leaves, bgs lb. .65 • .70

BUY POLYOLS ON FACTS



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Tartar Emetic—Vanadium Pentoxide

Tartar emetic, tech, gran. or powd., bbls., kgs lb. .56 - .59
dms. lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½ - —
l.c.l. lb. .25 - .25½
NF, cryst., fib. dms lb. .64 - —
powd., fib. dms lb. .60 - —
Terpineol alpha (see A).
commercial, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
extra, dms lb. .48 - .60
prime, dms lb. .36 - .45
Terpinglycol ether, dms., c.l., works. lb. .23½ - —
l.c.l. works lb. .25½ - —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .55 - .70
prime, dms lb. .55 - .60
Propionate, dms lb 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm 1.90 - —
Propionate, USP, 100 gms., bots. gm 1.90 - —
Tetrachloroethane, dms., works lb. .12½ - —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. lms., works lb. .20½ - .21½
smaller, dms., works lb. .23½ - .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 - —
t.c.l. lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd lb. 7½ - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½ - —
t.c.l., dlvd. E lb. .58½ - —
tanks, dlvd E lb. .56 - —

Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 - 15.00
Sulphate, 99%, bots., dlvd lb. 10.50 - 13.00
Theobromine fib. dms lb. 3.75 - —
Salicylate, fib. dms lb. 4.25 - —
Sodio-salicylate, fib. dms lb. 3.10 - 3.15
With sodium acetate, USP, dms. lb. 3.90 - 3.95
Theophylline anhydrous or USP, 100-lb. dms lb. 4.40 - 4.45
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo. 135.00 - —
Mononitrate, USP, fib. dms. kilo. 135.00 - —
Thiocarbanilide, dms lb .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. 1.99¾ - —
l.c.l., same basis lb. 2.00 - —
Thiourea, tech., dms., c.l., works lb. .43½ - —
l.c.l., works lb. .45½ - —
100-lb. lots or more, lb. .45½ - —
Thorium nitrate, purified, fib. dms., works lb. 3.50 - —
Threonine dextro laevo, bots., l-kilo lots kilo. 600.00 - —
Thyme, French, bgs. lb. .22 - .25
Spanish, bls. lb. .09 - .09½
Thymol, fib. dms lb. 3.10 - —
Iodide, NF, dms lb. 6.30 - —
Timbo root (see Cube root).
Tin chloride, stannous anhyd., dms. works lb. .98½ - .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾ - —
Metal lb. 1.21½ - —
Oxide, dms lb. 1.23 - 1.24
Sulphate, stannous, bbls lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works lb. .89 - .90

Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
regular, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
ceramic, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
metallurgical, natural granular, bgs., c.l., f.o.b. Jacksonville, Fla ton. 110.00 - —
c.l., Niagara Falls, N. Y. ton. 127.50 - —
5 tons, same basis ton. 132.50 - —
ton lots, same basis ton. 137.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
t.c.l., dlvd E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd. lb. .08 - .08½
Titanium dioxide and pigment in bbls., ¼c. higher. Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works lb. .45½ - —
t.c.l., works lb. .48½ - .56½
tankcars, works lb. .44½ - —
Tolidin base, distilled, kgs lb. 1.30 - —
Tolu balsam, cns., dms lb. 2.85 - 4.25
Toluene (see Toluol)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist. gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32½ - —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex. gal. .35 - —
Lorain, Ohio gal. .31 - —

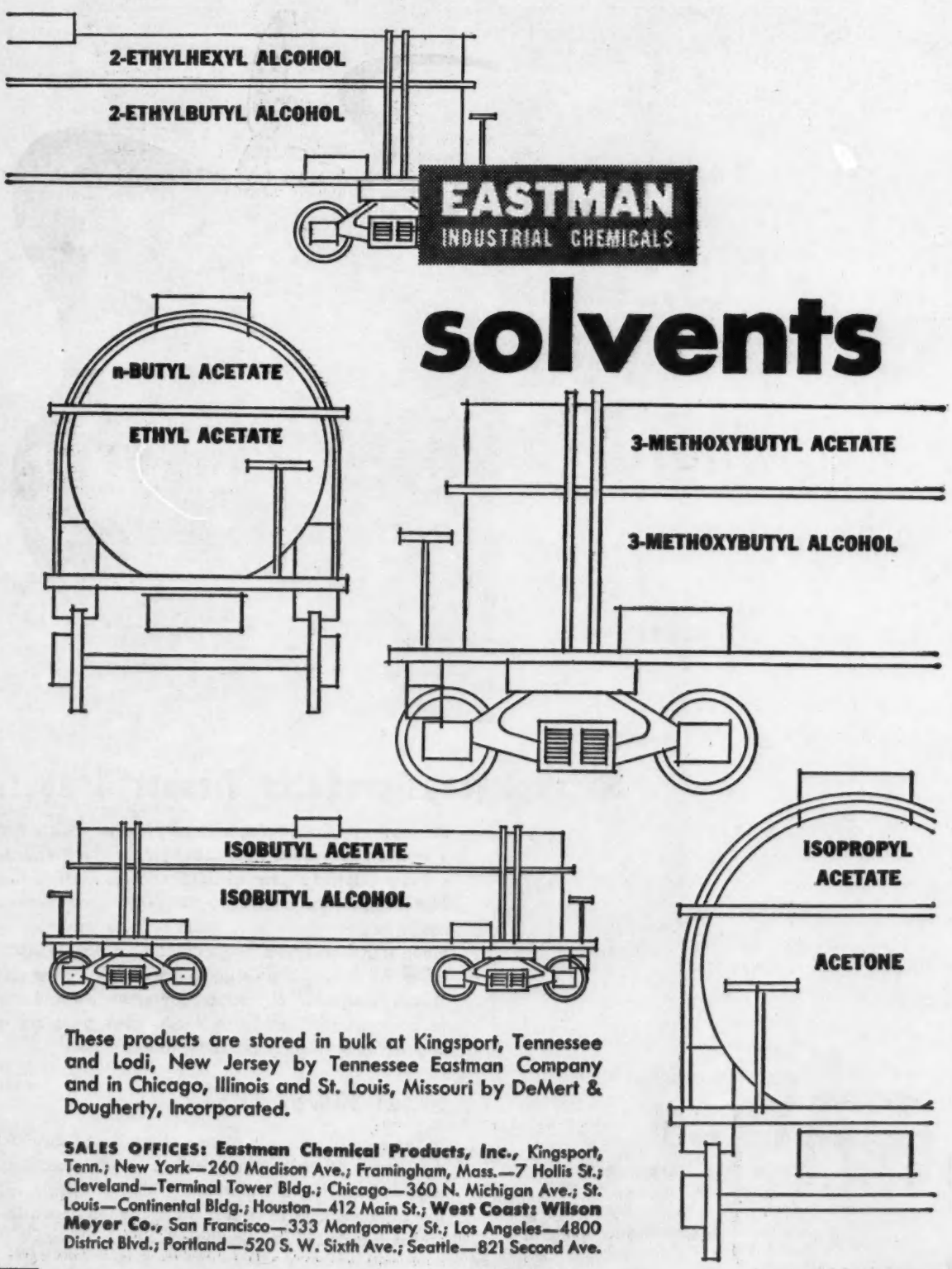
Toluol, coaltar, indust., and nitration, tanks, works, Minnequa, Colo. gal. .32 - —
Philadelphia, Pa. gal. .33½ - —
Pittsburgh dist. gal. .30 - —
Sparrow's Point, Md. gal. .32 - —
Syracuse, N. Y. gal. .30½ - —
Terre Haute, Ind. gal. .33½ - —
Wyandotte, Mich. gal. .34½ - —
Youngstown, Ohio gal. .30½ - —
Petroleum, industrial, 2° tanks, works, Albany, N. Y. gal. .33 - —
Bayonne, N. J. gal. .33 - —
Baytown, Tex. gal. .31 - —
Chicago, Ill. gal. .33 - —
Detroit, Mich. gal. .33 - —
Philadelphia, Pa. gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill. gal. .33 - —
Tonga, 50% bark and vine, bls lb. .60 - .65
Tonka beans, Angostura, cks lb 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.10 - 1.25
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
less than ton, lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .42¾ - —
l.c.l., same basis lb. .43¾ - .45½
tanks, same basis lb. .41 - —
Tributyl citrate, tech., dms., c.l lb. .40½ - —
l.c.l. lb. .41½ - —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .51¾ - .63½
l.c.l., same basis lb. .52¾ - .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½ - —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld lb. .12½ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald lb. .11 - —
dlvd. E lb. .12½ - —
l.c.l., works, frt. equald lb. .11½ - —
dlvd. E lb. .13½ - —
tanks, works, frt. equald lb. .10 - —
dlvd. E lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd lb. .34¾ - —
t.c.l., dlvd. lb. .35¾ - —
tanks, dlvd. lb. .33 - —
petroleum dms., c.l., dlvd lb. .34¾ - —
t.c.l., dlvd. lb. .35¾ - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼ - —
t.c.l., same basis lb. .27¼ - —
tanks, same basis lb. .24½ - —
Triethylamine, dms., c.l., works, dlvd. E lb. .45½ - —
t.c.l., same basis lb. .46½ - —
tanks, same basis lb. .43¾ - —
Triethyl citrate, tech., dms., c.l lb. .37½ - —
t.c.l. lb. .38½ - —
tanks lb. .36 - —
Phosphate dms., works, c.l lb. .38 - —
t.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd. E, lb. .23¼ - —
t.c.l., same basis lb. .24¼ - —
tanks, same basis lb. .21½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½ - —
t.c.l., dlvd. E lb. .49½ - —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
t.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works, lb. .36½ - —
t.c.l., same basis lb. .39½ - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
t.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works, lb. .02 - —
double grd., bgs., c.l., works lb. .0185 - —
single-grd., bgs., c.l., works lb. .0175 - —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼ - —
t.c.l., frt. alld lb. .27¼ - —
tanks, frt. alld lb. .24½ - —
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80, dms., works lb. 5.00 - 5.50
Tryptophane, dextro-laevo, fib. ctns. works kilo. 165.00 - —
Tuba root (see Cube root)
Tungsten metal, powd. 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs. lb. .21 - .22
Haitian, bgs lb. .10 - .11
Madras, bgs. lb. .11 - .11½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP dms lb. 1.50 - —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46% N bgs., c.l., wks. lb. .05½ - —
t.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 142.00 - —
t.c.l., dlvd ton. 146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton. 120.00 - —
C and D grades, tankcars, same basis ton. 118.50 - —
37 grade, tankcars, same basis. ton. 147.50 - —
Uva ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, NF, bls. lb. .42 - .43
Valine dextro-laevo, dms., works lb. 21.00 - 27.50
Valonia, beards, 40-42% tannin, bgs., ex dock ton. 85.00 - —
cups, 28-30% tannin, bgs., ex dock, ton. 64.00 - —
extract, powd., bgs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide, CP, bgs., cns, contract, works lb. 7.00 - —
tech., dms., works lb. 1.28 - 1.33



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developed especially for the

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Only Duplicane 517 has this combination of outstanding characteristics:

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- **Excellent hardness, maintained with all vehicles used in the carbon paper industry**
- **Greater dispersing and dissolving action than imported vegetable waxes—effective on all types of dyestuffs and toners used in carbon paper**

Plus these important advantages —

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- always in dependable supply—the *only* domestically produced vegetable wax for the carbon paper field*
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*Produced by the Sugar Cane Wax Enterprise, Gramercy, Louisiana refinery.

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Exclusive domestic and world-wide distributors of sugar cane waxes.

Vanilla Beans—Yeast, Brewer's

Vanilla, beans, Bourbon, tins....lb. 4.50 - 4.75
Mexican, cuts, tins....lb. 4.00 - 4.25
whole, tins....lb. 4.50 - 5.00
Tahiti, cs....lb. 3.00 Nom.
Vanillin, ex eugenol, tins, 25 lbs..lb. 6.50 - —
smaller lots....lb. 6.75 - 7.00
ex guaiacol, tins, 25 lbs....lb. 3.00 - —
smaller lots....lb. 3.03 - 3.15
ex lignin, tins, 25 lb. lots....lb. 3.00 - —
smaller lots, tins....lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¼- —
l.c.l., works....lb. .21¼- —
tanks, works....lb. .19¼- —
butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works....lb. .30 - —
tanks, works....lb. .27 - —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works....lb. .30 - —
tanks, works....lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works....lb. .30 - —
tanks, works....lb. .27 - —
Methylether, cyls., works....lb. .30 - —
tanks, works....lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride, (see Trichloroethane).
Pyridin, ret, dms., works....lb. 1.65 - —

Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units, 1,000,000 units. .035 - —
Viosterol, in natural vegetable oil, 400,000 to 1,000,000 D units per gm. bots., lots of 100 billion USP units, lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm. gm. .07¼- —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .12 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gm. 1,000,000 units. .12 - —
B_1, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, crystalline, gm. or 5 gm. vials gram 295.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity. gm. 225.00 - —
C (see Acid, ascorbic).
Vitamin D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots....gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls....lb. 1.95 - 2.00
tree bark, bls....lb. .95 - 1.00
Warfarin, 0.5%, dms., 50 lb. lots, dlvd. lb. 1.95 - —
25-49 lb. lots, f.o.b., N.Y., or Chi. lb. 2.05 - —
5-24 lb. lots, cns., f.o.b., N. Y., or Chi. lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 104.00 - —
merchantable, bgs., ex dock ton. 100.00 - 101.00
extract, liquid 35% tannin, bbls., works lb. .10¾- .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 - —
S. Africa, 62%, tannin, ex-dock, duty extra. lb. .11½- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot....lb. .42 - .45
Bees, crude, African, bgs....lb. .46 - .48
Brazilian bgs....lb. .70 Nom.
Central American....lb. .53 - .56
refined, bleached, white, bricks, lb. .69 - .71
slabs....lb. .67 - .69
yellow, bricks....lb. .55 - .56
slabs....lb. .54 - .55
Wax, candelilla, crude, bgs....lb. .75 - .77
refined, bgs....lb. .77 - .79

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots, lb. 1.00 - —
North Country, No. 2, bgs., ton lots..lb. 1.03 - 1.04
No. 3, crude, bgs., ton lots.lb. 1.02 - 1.03
refined, bgs., ton lots....lb. 1.03 - 1.06
yellow, No. 1, Ceara, bgs., ton lots..lb. 1.33 - 1.35
Parnahyba, bgs., ton lots., lb. No stocks.
No. 2, Ceara, bgs., ton lots, lb. 1.31 - 1.33

Powdered carnauba price differentials same as powdered candelilla.

Esparto, African....lb. .70 - —
Japan, bgs....lb. .22 - .25
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000, lbs. group 3, works lb. .13 - .14
less than 20,000 lbs., same basis lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis..lb. .24 - .25
less than 20,000 lbs., same basis lb. .25 - .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
less than 20,000 lbs. lb. .15½- —
white, ctns., 20,000 lbs., same basis. lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .20 - —
less than 20,000 lbs., same basis lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
less than 20,000 lbs., same basis lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs....lb. .31 - .32
German, crude, bgs....lb. .12½- .13½
Ouricury, ref., bgs....lb. .72 - .74
Paraffin (see P.)
Spermaceti, blocks, cs....lb. .26 - .29
cakes, cs....lb. .27 - .30
Sugar cane, crude, tmp....lb. .43 - —
refined, dom., works....lb. .75 - .80
spot....lb. .77½- .82½
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .17 - .18
White precipitate, USP powd., dms., lb. 5.60 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton. 16.00 -30.00
smaller lots, works ton. 21.60 -35.00
Paris white, bgs., c.l.....ton. 24.00 -31.00
l.c.l.....ton. 25.00 -40.00
Precipitated, bgs., c.l.....ton. 18.00 -20.00
l.c.l.....ton. 25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls....lb. .17 - .19
rossed, bls....lb. .19 - .22
Ginger (see Snake root, Canada)
Indigo root, bls....lb. .30 - .31
Yam root, bls....lb. .16 - .17
Witch hazel leaves, bls....lb. .19 - .20
Woodflour, 40 mesh, bulk, c.l., works, East ton. 32.00 - —
l.c.l., same basis ton. 36.50 - —
60 mesh, bulk, c.l., same basis. ton. 37.00 - —
l.c.l., same basis....ton. 42.00 -55.00
80-100 mesh, bulk, c.l., same basis..ton. 45.00 -50.00
l.c.l., same basis....ton. 51.75 -57.50

Woodflour in bgs. extra, returnable.

Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs....lb. .22 - .26
Levant, bgs....lb. 4.25 - 4.50
Wormwood leaves, bls....lb. .35 - .45

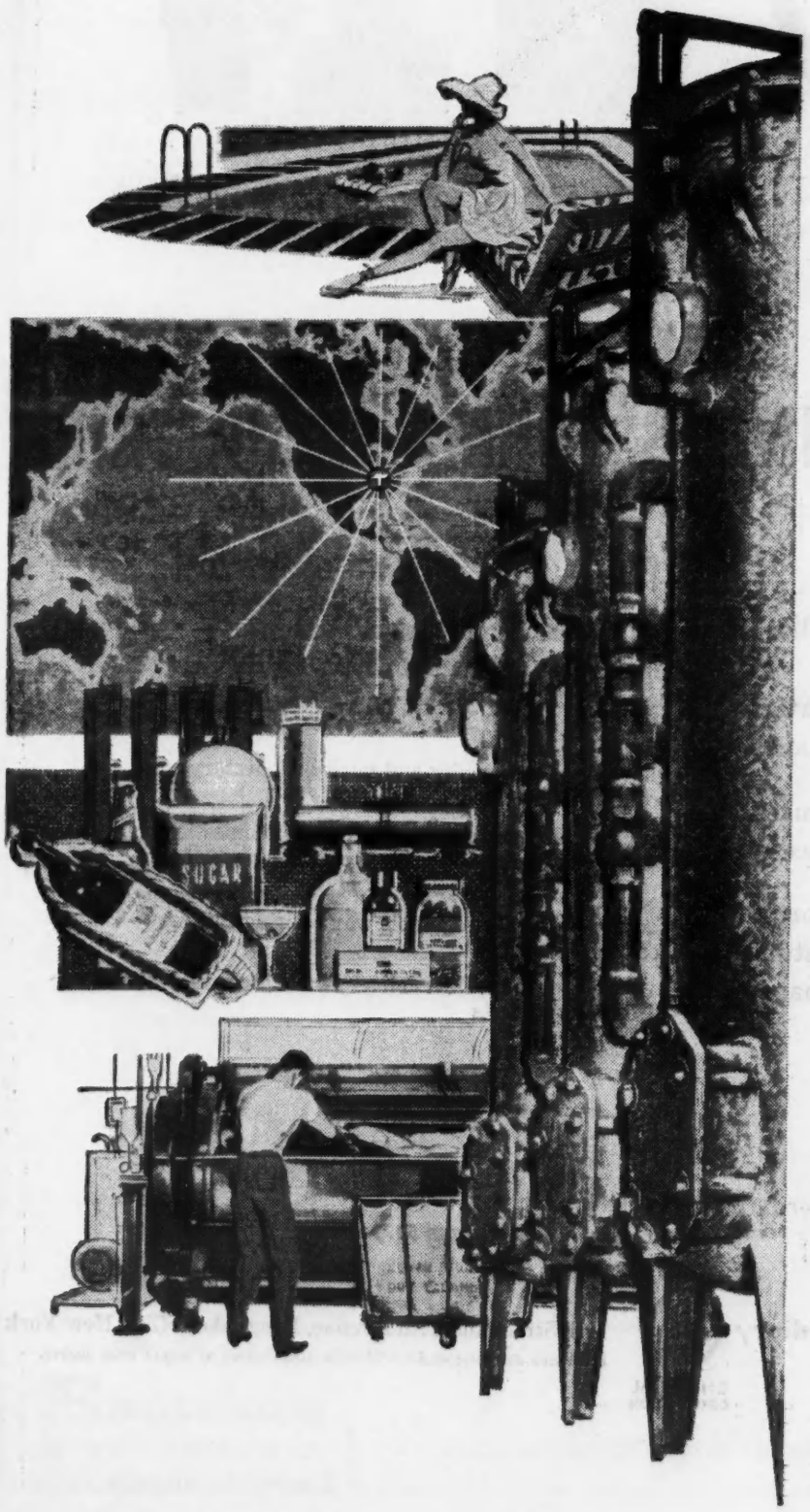
X

Xanthorrhiza root, bls....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .23 - —
45°-47°C, dms. c.l. same basis. lb. .212 - —
l.c.l., same basis....lb. .215 - —
tanks, same basis....lb. .199 - —
fractions, over 7° C., b.r., except meta, dms., c.l., same basis..gal. 1.31 - —
l.c.l., same basis....gal. 1.34 - —
tanks, same basis....gal. 1.20 - —
meta fraction, over 7° C., dms., c.l. same basis..gal. 1.40 - —
l.c.l., same basis....gal. 1.49 - —
tanks, same basis....gal. 1.35 - —
Xylidins, mixed, dms....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district....gal. .33½- —
Cleveland district....gal. .33 - —
Geneva, Utah....gal. .25 - —
Hamilton, Ohio....gal. .32 - —
Johnstown, Pa....gal. .31 - —
Lackawanna, N. Y....gal. .33 - —
Lone Star, Tex....gal. .35 - —
Loram, Ohio....gal. .31 - —
Minnequa, Colo....gal. .34 - —
Philadelphia, Pa....gal. .33 - —
Pittsburgh district...gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Syracuse, N. Y....gal. .30½- —
Terre Haute, Ind....gal. .35 - —
Wyandotte, Mich....gal. .34¼- —
Youngstown, O....gal. .30½- —
Petroleum, indus., tanks, Albany, N. Y..gal. .33 - —
Bayonne, N. J....gal. .33 - —
Baytown, Tex....gal. .31 - —
Chicago, Ill....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I....gal. .33 - —
Wood River, Ill....gal. .33 - —

Y

Yara yara, cns....lb. 2.25 - 2.60
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms. lb. .60 - —

THERE'S A TOUCH OF **TENNESSEE** IN **FILTRATION**



TENN-FLO, Tennessee Products' new filter aid, promotes sparkling clarification in a wide variety of filtering operations. Inert and sterile, TENN-FLO is readily adapted to filtration in brewing, sugar refining, vegetable oil refining, dry cleaning, water purification and in many other chemical and industrial processes.

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TENNESSEE
PRODUCTS & CHEMICAL
Corporation
NASHVILLE, TENNESSEE

Producers of: FUELS • METALLURGICAL PRODUCTS • TENSULATE BUILDING PRODUCTS • AROMATIC CHEMICALS WOOD CHEMICALS • AGRICULTURAL CHEMICALS

Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.33	—
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below			
Benzidin, AAA, bbls., dlvd.	lb.	1.91	—
AAOT, bbls.	lb.	2.06	2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies	lb.	2.85	—
lithopone, all shades, bbls., frt. alld., E. of Rockies	lb.	1.20	—
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island	lb.	.31	—
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa 10 G, bbls. same basis as chrome	lb.	2.15	—
G pigment, bbls	lb.	1.91	—
Iron oxide, natural, bgs., c.l., works.	lb.	.0141-	.0250
t.c.l., works	lb.	.0166-	.0275
French type, bgs., c.l.,	lb.	.04½-	—
t.c.l.	lb.	.04¾-	—
Peruvian type, bgs., c.l.	lb.	.0165-	—
pure, bgs., c.l., works	lb.	.10	—
t.c.l., works	lb.	.1025-	—
Mercury oxide, bbls., 1,000-lb. lots.	lb.	4.15	—
smaller lots	lb.	4.17	—
Ocher American golden, bgs., works	lb.	.01¼-	.02¾
Zinc (chromate), bbls., dlvd	lb.	.25	—
basic, dlvd.	lb.	.30	—
Yellow dock root, bls	lb.	.18	.19
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls	lb.	.32	.33
Yohimbine hydrochloride, bots., tins.	oz.	4.75	5.25

Z

Zein, bgs., 30,000 lbs. lots, works	lb.	.38	—
1,000-lb. to 30,000-lb. lots, works	lb.	.40	—
smaller lots, works	lb.	.43	—
Zinc acetate tech. bbls. dms., works.	lb.	.27	—
NF VIII, dms.	lb.	.53	—
Borate, bgs., c.l., dlvd. E	lb.	.192	—
t.c.l., dlvd. E	lb.	.202	—
Carbonate, tech., rubbermakers, bgs., c.l., works	lb.	.14½-	—
t.c.l., works	lb.	.15	—
Chloride, NF, gran., dms	lb.	.42	—
precipitated, powd., dms.	lb.	.26	—
solution, 50%, dms., c.l., works.	100 lbs.	4.75	—
t.c.l., works	100 lbs.	5.35	—
tanks, works	100 lbs.	4.10	—
tech., fused, dms., c.l., works.	100 lbs.	9.60	—
t.c.l., works	100 lbs.	10.00	—
gran., fib., dms., c.l., works	100 lbs.	10.60	—
t.c.l., works	100 lbs.	11.00	—
Chromate (see Yellow zinc).			
Cyanide, kgs., over 1,000 lbs., works	lb.	.523	—
under 1,000 lbs., works	lb.	.543	—
Dust, pigment, bbls., c.l., works.	lb.	.15½-	—
t.c.l., works	lb.	.16½-	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.21½-	—
t.c.l.	lb.	.22	.37½
Iodide, NF, jars	lb.	4.02	—
Laurate, bbls	lb.	.45	.46
Metal, slabs, E. St. Louis	lb.	.11½-	—
Naphthenate, liquid, 8% Zn, frt. alld.	lb.	.23½-	—
10% Zn, dms., frt. alld.	lb.	.28½-	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, American process lead-free, bgs., c.l., dlvd	lb.	.14	—
t.c.l., dlvd	lb.	.15	—
leaded 35%, bgs., c.l., dlvd.	lb.	.14¼-	—
t.c.l., dlvd	lb.	.15¼-	—
50%, bgs., c.l., dlvd	lb.	.1435-	—
t.c.l., dlvd	lb.	.1535-	—
French process, com'l green seal, bgs., c.l., dlvd	lb.	.15¾-	—
t.c.l., dlvd	lb.	.16¾-	—
red seal, bgs., c.l., dlvd.	lb.	.15¼-	—
t.c.l., dlvd	lb.	.16¼-	—
white seal, bgs., c.l., dlvd.	lb.	.16¼-	—
t.c.l., dlvd	lb.	.17¼-	—
USP, ctns., c.l., dlvd	lb.	.17¼-	—
t.c.l., dlvd	lb.	.18¼-	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.			
Phenosulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	.43
Resinate precip., dms., frt. alld.	lb.	.26¾-	—
Silicofluoride, bbls., works	lb.	.12	.13
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.32	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	7.30	—
t.c.l., same basis	100 lbs.	7.70	—
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	6.55	—
t.c.l., works	100 lbs.	6.90	—
powdered, 36% Zn, bgs., c.l., frt. alld.	100 lbs.	9.25	9.95
t.c.l., same basis	100 lbs.	10.00	10.70
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms.	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd.	lb.	.2530-	—
fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.85	2.50
Undecylenate, dms.	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.05	—
t.c.l., works	100 lbs.	9.45	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
t.c.l., same basis	lb.	.1220-	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½-	—
t.c.l.	lb.	.36	.41½
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03¼-	—
5 tons to c.l., works	lb.	.03¾-	—
1 ton to 9,999 lbs., works	lb.	.03⅞-	—
500 lbs. to 1,999 lbs., works.	lb.	.04	—
less than 500 lbs., works	lb.	.06½-	—
milled, bgs., c.l., works	lb.	.04½-	—
5 tons to c.l., works	lb.	.04⅝-	—
1 ton to 9,999 lbs. works	lb.	.04⅝-	—
500 lbs., to 1,999 lbs., works.	lb.	.05	—
less than 500 lbs., works	lb.	.07½-	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum	works lb.	.23	—
Carbonate basic, cake bbls.,	works lb.	No prices.	
Hydride, cns., works	lb.	7.25	11.50
Nitrate, dms., ex whse	lb.	4.50	7.00
Oxide, 98½%-99%, white grd., bbls., or bgs., works	lb.	1.50	—
lump electric-fused, ogs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½-	—
1 ton to 9,999 lbs., works	lb.	.45	—
500 lbs. to 1,999 lbs., works	lb.	.45½-	—
less than 500 lbs., works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½-	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½-	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼-	—

Glidden Names Seith Sales Manager of Mississippi Area

Appointment of George J. Seith as sales manager of the Glidden Company's Mississippi region, with factory headquarters in St. Louis, Mo., has been announced by A. D. Duncan, Glidden vice-president and general manager of the paint and varnish division.

In his new position, Mr. Seith will be responsible for the sale of Glidden paints in an area embracing Missouri, Arkansas, Oklahoma, Kansas, Colorado, and Wyoming, together with parts of Illinois, Kentucky, Indiana, Tennessee and Mississippi. Glidden metropolitan branches in this region are located at Oklahoma City, Okla.; Memphis, Tenn.; Evansville, Ind.; and Mt. Vernon, Ill. Mr. Seith has been a member of the Glidden sales organization since 1947.

Pitts. Plate Names Waggoner

Jack H. Waggoner has been appointed technical assistant to the general manager of the Pittsburgh Plate Glass Company's fiber glass division. Mr. Waggoner had been associated in various capacities with Owens-Corning Fiberglass Corporation since its formation in 1938 and prior to that with the glass fiber activities of the Industrial & Structural Products Division of the Owens-Illinois Glass Company. During the past seven years he served as technical assistant to the executive vice-president of Owens-Corning.

Advance Resin Specialty Unit Formed Under Husen

Advance Solvents & Chemical Corporation, New York, has announced the formation of a resin specialty department under the direction of Dr. Werner R. Husen. Production of this new group of specialty synthetic resins, according to the company, rounds out its complete line of driers, stabilizers, plasticizers, wetting agents and fungicides. Dr. Husen invites inquiries for specialty resins, which, he notes, are best produced in custom control batches.

Morris Appoints Bishop

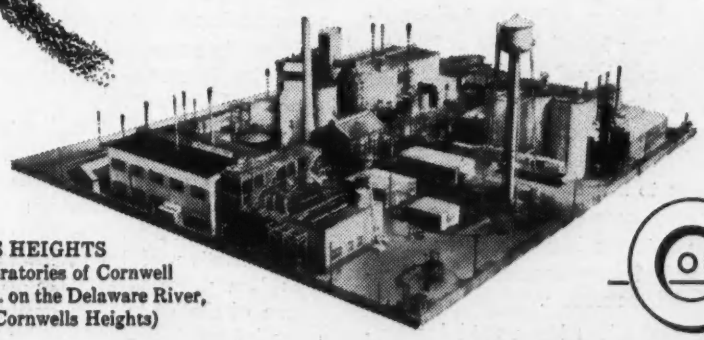
Alfred Sophir of the Omaha, Neb., branch of the Morris Paint & Varnish Company, has announced the appointment of Lee Bishop to the sales staff. Mr. Bishop will take over territories in northern Nebraska, South Dakota and Iowa.

ANHYDROUS

Sodium Sulphate

99.5% PLUS

purest grade for your most exacting requirements



CORNWELLS HEIGHTS
Plant and laboratories of Cornwell Chemical Corp. on the Delaware River, Philadelphia (Cornwells Heights)

CORNWELL

Cornwell Chemical Corporation

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Volume 163 February 16, 1953 Number 7

Self-Control for Business

Unbiased amateur economic realists, approaching the matter disinterestedly, do not find it easy to harmonize the terminating of controls on wages and prices with the reiterated purpose of the new federal administration to stabilize the dollar and check inflation. Although they do not accept the popular application of the term, "inflation," to profiteering in wages or in prices, they are not in full agreement with President Eisenhower's statement that the controls deal only with symptoms of inflation, not with its causes; they know that lowering the "cost" of the dollar in terms of the physical or mental effort required to get it is a cause of inflation not distantly second to the deficit financing of government.

Some commenters on the President's attitude toward the need for controls have had him advancing the cozy theory that price trends are attributable to natural laws. What he said was "the natural working of economic law." There is a difference. But, it is difficult to see what law will apply other than the simple one that higher wages—and they are a certainty—mean higher costs; higher costs must bring higher selling prices. Because of the new cost-of-living index of the Bureau of Labor Statistics, organized labor is set to demand negotiation of new contracts—and they will not involve mere readjustments in the "escalator" clause; they will seek higher starting pay. And so, the spiral starts again. The public is being told that it holds the whip and also the hoop through which the trend of prices can be made to jump. That can be. If it is, those who have, at least until quite recently, been predicting a depression in the last quarter of this year will be able to say:—"We told you so!" A buyers' strike is all that will be needed to pull the props out from under the post-defense-buying prosperity. That is a "natural" law which really exists—on the basis of human nature.

With some exceptions in relation to foods, neither supply nor demand is a natural phenomenon—and just a few days ago, a big foods man had something to say in connection with the steadily increasing cost of creating demand there. Unthinking belief in the existence and influence of those "natural laws" applying to supply and demand is one of the major reasons why the processes and practices of distribution have lagged so far behind those of production. The only natural law which has any application to business is that first one of self-preservation. How to apply it as a preventive of that possible depression is the big question put up to business by the removal of the governmental check-rein on the overdoing of self-promotion.

The passing of the controls has been said by top-drawer spokesmen for business to be "heartening to industry." Care must be taken to give that phrase its proper meaning. "Heartening" must not be taken to mean encouraging to do what very many businessmen will want to do under the impulse of the profit motive. It must be looked upon as inspiring to do what should be done in the way of public service. Prices will go up. It has widely been said that they will not soon rise. For one thing—they do not rise; they are raised by various causes. It is not to be expected that the raising will start as soon as the lid is removed; even those who hold that business is sadly lacking in common sense in matters of public relations will not expect it to be that dumb. Labor has no concern with public relations although their neglect always is eventually reflected in unemployment as one of the symptoms of depression; so demands for higher pay will not be long deferred and if one can find any significance in the number of charges piled up with the Wage Stabilization Board on the exceeding of wage ceilings, those demands will largely be met. That may provide an excuse for the raising of prices; but, the analytically minded buyer will wonder what has happened to the savings which are being talked about as to come from the ending of the costly jobs of record-keeping under the controls. That is the only logical support for the declarations that removal of the price-controls will mean lower prices. Because of that prediction, business is not only put on its own by being given a free rein on pricing; it is also put on the spot. What happens to it will depend wholly upon how it meets the situation.

Fixing the Taft-Hartley Act

Whatever be the problems laid upon business by the freeing of it from restraint on boosting prices, its "pressing problem of the moment," in the words of the National Association of Manufacturers, is to meet the attack of big labor leaders on the Taft-Hartley act. That attack has already got well under way. Labor got the start on employers because it is not hampered by any statutory or other restrictions on lining up in phalanxes or any other grouping for any purpose. It has been, as usual, aided by its solidarity of opinion when something for its benefiting is to be done. Unlike the ownership and management divisions of business, labor is for itself as an entity when it wants anything. That is one of the reasons why it usually gets what it wants. The federal legislative hopper has been given a voluminous grist of proposals having to do with the Taft-Hartley act. A goodly number were put in by the law's senatorial author; at least as many originated in the circles of labor and its legislative supporters. The latter, in large part, are not good for democracy as such or for the public interest. For one thing, they advocate more or less specifically the legislation of the closed shop. Some are said to seek authorization of any number of secondary supports and furtherings of legal strikes. Opposition is purposed also with relation to injunctions and other means of providing cooling-off periods or preventing interference with production essential to the national defense. Some stress is being laid against the requiring of labor leaders to take an oath that they are not Communists.

A new angle of the campaign of labor for more pay has come up in an AFL demand that wages be tied in with the increasing productivity of industry on a man-hour basis. In a way it is a step back in the direction of the old piecework system which was knocked out by organized labor's demands for pay by the hour—with a limit on what a worker should do in that time. The reason for what has the appearance of a strange reversal of policy probably is the fact that mechanical developments have made it difficult for a worker or his organization dictator to limit an output.

There is some confusion over the position of President Eisenhower with reference to the Taft-Hartley act. At least CIO sentiment is in favor of his "standard of justice and fairness," and that organization is fighting the Taft amendments as not in keeping with that standard. The National Association of Manufacturers has said that the President's suggestion for a tripartite advisory board for the Department of Labor, equally representative of labor, management, and the public was "an unwelcome note to many in industry" because of the disturbing and disappointing functioning of such boards under President Roosevelt and President Truman."

Hearings on the proposed revisions of the Taft-Hartley act were started last week by the house labor committee. The senate committee will begin its hearings in the week of March 1. Organized labor is reported to have filed several scores of applications to be heard. Organized management is lining up an equally imposing array of testifiers on its side of the questions involved. Whether the Department of Labor will participate at that time is not known. It intends, however, to have something to say in the matter. The real point is not so much what the act will say but what can practicably be done to effect its purpose—and how. The job at which it is pointed really is beyond the reach of legislation.

For the Bookshelf

FIFTY-YEAR INDEX TO ASTM TECHNICAL PAPER AND REPORTS: 1898-1950. Cloth; viii+207 pages, 6 x 9 in. Philadelphia: American Society for Testing Materials. $6.

With the steadily growing demand for standards and other informative specifications from both producers and consumers, this index should be widely and gratefully welcomed. It provides a detailed identity of authors and subjects with reference to all ASTM technical papers and reports and offers pertinent information on the extensive variety of matters with which they have to do.

The author index gives the complete titles of papers and items covered. The subject index (more than 11,000 lines of type) includes individual headings. And every paper or report referred to is listed under the major subjects and materials discussed. The technical symposiums are listed in a separate, condensed subject index, along with topical discussions.

REPORT OF THE TIN RESEARCH INSTITUTE FOR 1951. Paper; 16 pages, 6x9¾ in. Greenford, England: Tin Research Institute.

Tin has become of such large interest, economically and politically, as an essential material that anything about it is eagerly read today. The research institute always has something informative to say. This report has information on the newly developing field of tin alloys, those with aluminum being of particular interest as bearing metals. Another area of growing interest is that of metalplating with tin and its alloys, especially tin-nickel.

A copy of the report may be got without charge from the United States office of the Tin Research Institute. 492 West Sixth avenue, Columbus 1, Ohio.

Washington Talks

—Continued from page 5

raised as to how far such a rule can be extended by the commission. Is it to be applied in other lines of business, such as foods, and wearing apparel where foreign tradenames might be even more susceptible to a misunderstanding? And what about the customs law requirement that foreign merchandise be marked with the country of origin? Has that lost its effectiveness as a safeguard against deception?

State Title to Minerals

Since the government appears about ready to place title to the so-called tidelands in the hands of the states, a couple of the western mining states think that the federal government should extend its benevolence a little further and hand title to the mineral resources of the public lands over to the states also.

The idea isn't so far-fetched as it might seem on the surface. According to Sen. Lester C. Hunt of Wyoming and Sen. George W. Malone of Nevada, who are sparking the proposal, the western States are as rightfully entitled to the revenues produced from the minerals under public lands in the western states as are the states in coastal areas involved in the so-called tidelands issue.

Sen. Hunt has put a bill in the senate to transfer the title to the mineral resources to the states, claiming that the income from the leasing of the lands could make the states independent of the need for federal grants-in-aid programs. He may press his bill strongly when the tidelands bill comes before the senate.

VA Give Lift to Small Business

The way has been opened for the channeling of a large portion of the Veterans Administration's drug purchasing business into the the hands of small manufacturers by an agreement just reached between the VA and the Small Defense Plants Administration.

Similar to agreements that have been worked out with the Defense department, the VA and SDPA have agreed that small business concerns shall be given an opportunity to match the bid of a large concern when the large concern is the initial low bidder. In all cases where small concerns are to have this bid-matching privilege, it will be clearly so designated in the invitations to bid.

It is also provided that procurements determined by VA and SDPA to be suitable of performance by small business concerns will be advertised. Also, the agreement provides that if a large business concern is found to be the low bidder, the next lowest small business bidder will be given an opportunity to match the low bid, and if a responsible small business concern matches the low bid, the contract will be awarded to the small concern.

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Heavy Chemicals

Shipments of heavy chemicals averaged good last week with more inquiry in some directions and less in others. Potassium carbonate continued to attract attention with demand running above current production and creating a tight spot supply situation. The demand stemmed from glass plants that are carrying large orders for television tubes. Caustic potash was not in excess supply but requirements were covered in full. There appeared to be less inquiry for some of the acids although muriatic leaned toward the tight side as a result of less byproduct material being available. Anhydrous sodium sulphate was not in free supply and neither was salt cake due to labor difficulties at an important supply source. Some pickup in the agricultural inquiry for copper sulphate was noted from the mid-eastern Atlantic states, foreign demand also increased with the issuance of export licenses for the first quarter. Removal of government restrictions on tin use had no apparent effect on the market for tin based chemicals. There was no easement in nickel chemical supplies and the persistent strength of these markets was thought by some to suggest higher prices. Soda ash continued in balance and there was no scarcity of caustic soda, chlorine or sulphuric acid. Glacial acetic acid was a bit unsettled in the New England area but steady in other sections.

Paper production based on percentage of sixday capacity was 94.6 percent for the week ending February 7, according to the American Paper and Pulp Association. This compared with 96.0R in the preceding week and 59.3 for the corresponding week in 1952.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census Department of Commerce and the Chemical Division of the Tariff Commission.

Carbon Bisulphide — Requirements of rayon mills are being leveled off promptly with shipments sustained at former levels. Production during November amounted to 51,150,402 pounds, compared with 40,554,019 in the preceding month and 39,290,636 pounds in November, 1951.

Carbon Tetrachloride — Supply conditions continued comfortable, with demand fair and immediate shipments available. November production was down, the total standing at 17,200,171 pounds, compared with 21,479,483 during October and 21,596,214 pounds in November, 1951.

Chlorine — Supply situation continued comfortable, with demand sustained at its former level. Withdrawals while described as fair are not running full in all instances.

Cobalt Carbonate — Production during November was placed at 8,823 pounds gross, compared with 19,009 in October by the Bureau of Mines. November shipments totaled 10,135 pounds, against 5,638 in the preceding month. Stocks on November 30 amounted to 22,498 pounds, compared with 23,810 on October 31.

Copper Sulphate—Agricultural inquiry was a little better, with eastern coast states showing some interest. Industrial demand continued steady. Export sales increased, with the availability of licenses for shipment over the first quarter. Supply position remained comfortable.

Production of copper sulphate in December rose to 5,992 tons, 4 percent above the November tonnage, but was still low in relation to most earlier months of 1952, according to the Bureau of Mines. Shipments dropped 13 percent to 5,860 tons, and except for August were at the lowest monthly rate of the year. Stocks rose 2 percent to 6,812 tons, and were sufficient for little more than a month's needs at the December rate of shipments. Foreign trade data for December are not available. There were no imports in November, and exports were 3,988 tons, or 30 percent more than October.

Fluorspar—Domestic consumption continued at a high level in November at 47,000 tons, although it was 4 percent less than the record established in October, according to the Bureau of Mines. Production of domestic fluorspar in November declined 5 percent to 35,620 tons. Shipments were up 8 percent to 40,149 tons and were greater than any other month in 1952. Imports decreased 36 percent to 24,088 tons. Stocks at consumers' plants gained for the eighth consecutive month to reach 247,678 tons.

Glauber's Salt—Supply position relatively tight reflecting labor troubles at an important producing source. November output totaled 16,788 tons, compared with a revised amount of 16,439 in October and 15,986 tons in November, 1951.

Potash, Caustic—Demand held about steady and sufficiently active to prevent excess inventories. Shipments have moved out on time and the market in general showed a satisfactory degree of balance.

Potassium, Carbonate—Definitely tight for immediate shipment. Demand at present is exceeding production. According to producers, glass plants are in the market for increased quantities as a result of the heavy inquiry mostly for television tubes.

Potassium Chlorate—Inquiry fair but not unusually active. Match factories are taking on stocks to keep inventories on a working basis and desire prompt shipment in most instances.

Salt Cake—Supply not too flush at present. Demand active for kraft paper use. November production totaled 59,229 tons of commercial crude, compared with 58,631 tons in October and 59,303 tons in November, 1951.

Soda Ash—Industrial demand held about steady with production fully capable of meeting all requirements. Producers are in a position to accept orders for prompt or future shipments.

Soda Caustic—Shipments reported good but not of dimensions to impair the favorable supply position. Consumers are said to be taking stocks mostly for current wants.

Sodium Phosphate—Tetra showed a production of 7,548 tons during November, compared with 9,412 in October and 6,328 tons in November, 1951. The acid pyro output in November was 858 tons, against 937 in the preceding month and 1,300 tons in November, 1951. Production of tripoly recorded 34,730 tons in November, compared with 43,312 in October and 28,140 tons in November, 1951.

Sodium Silicate—Demand described as good and sustained at its former level. Production of soluble silicate glass, liquid and solid anhydrous during November totaled 44,373 tons, compared with 59,997 in the preceding month and 45,268 tons in November, 1951.

Sodium Sulphate—The anhydrous grade has revealed a tighter supply as a result of cutback production occasioned by labor difficulties at an important supply source. November output was placed at 16,722 tons of anhydrous refined, compared with 20,025 in October and 20,312 tons during November, 1951.

Sodium Sulphide—Market mostly in balance with supply and demand. November output of concentrated was placed at 2,308 tons, against a revised total of 2,036 in October and 2,126 tons in November, 1951. Production of other grades, including liquid and crystal, was 1,680 tons in November compared with 1,658 in October and 1,632 tons during November, 1951.

Sulphur — Domestic sulphur industry produced 436,143 long tons of native sulphur and 22,459 tons of recovered sulphur (of a purity of 97 percent or greater) during the month of November, according to reports of producers to the Bureau of Mines. Producers' stocks of native sulphur decreased and at the end of November stood at 3,053,843 tons, stocks of recovered sulphur amounted to 80,564 long tons, against 75,200 on October 31.

Sulphur Dioxide—Lower production was recorded in November. The total stood at 3,662 tons, against 4,358 in the preceding month and 5,004 tons in November, 1951.

Tin Salts—Removal of restrictions on tin metal use had no apparent reflection on demand in the market for the various salts. It was stated that most consumers who could show a legitimate use prior to the removal of restrictions were getting all the tin chemicals they desired.

Acids

Acetic—Glacial showed a little unsettlement in the New England area but was reported steady elsewhere. Consuming demand appeared a trifle broader while the supply situation continued comfortable. Production of synthetic acetic acid amounted to 37,333,982 pounds in Novmber, compared with 36,785,883 in October and 33,-

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
95.56	95.56	95.86	97.69

(*For Current Prices see page* 9)

For Late Market Developments, See Page 4

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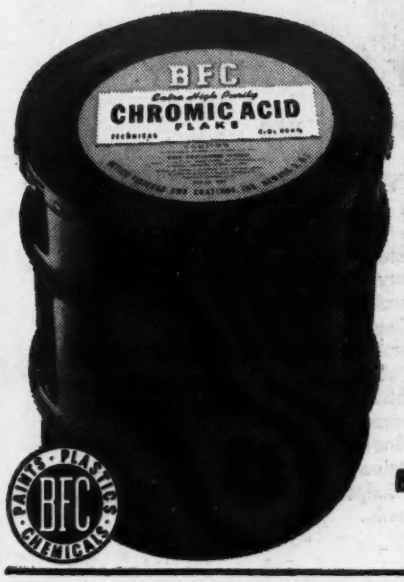

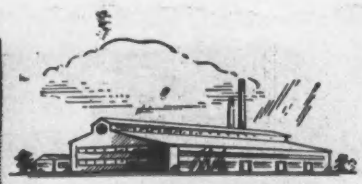

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Nickel—Consumption of nickel in November was 1.3 percent smaller than in October but imports were 9 percent larger, according to the Bureau of Mines. Consumption of nickel in the United States by 148 companies which accounted for about 95 percent of the nickel in all forms used in 1951 was 18,290,479 pounds in November, which indicates that total consumption was 19,253,000 pounds compared with 19,506,000 pounds in October. Imports of nickel into the United States in November comprised 11,781,097 pounds of metal, 2,280,183 pounds of matte, 1,626,342 pounds of oxide and oxide sinter, and 207,411 pounds of scrap from Canada; 1,660,355 pounds of metal from Norway; 4,008,062 pounds of oxide from Cuba; and 93,912 pounds of scrap from United Kingdom. The nickel content of the new metal, oxide, oxide sinter, and matte imported into the United States is estimated at 19,777,000 pounds in November compared with 18,209,000 pounds in October.

Quicksilver—Suppliers quoted $210 to $212 per flask for spot material last week. Trading was a trifle more active and it was stated that the inside price might have been shaded in a firm offer for a round lot.

San Francisco—The market witnessed little, if any, change over the week with interest lagging and quotations unchanged at $214 per flask.

Titanium—The titanium industry featured record titanium sponge production

601,097 pounds in November, 1951. The natural output in November was 1,855,000 pounds against 1,980,000 in the preceding month and 1,661,000 pounds in November, 1951.

Muriatic—Market conditions have not changed greatly so far this month. Stocks are not free in all producing quarters. Demand is holding about steady at its former level and no consumer appears to be suffering greatly for want of stocks.

Oxalic—Stocks continued readily available for spot shipment. Buying interest is not on an elaborate scale and small lot transactions predominate at present. November production was placed at 1,402,906 p unds, compared with 1,611,876 in October and 1,661,319 pounds in November, 1951.

Phosphoric—Supply conditions generally comfortable with demand fair. Production during November amounted to 179,544 tons including 84,035 tons made from phosphorous and 95,509 from phosphate rock. October output was revised to a total of 205,074 tons and in November, 1951, production was 151,361 tons.

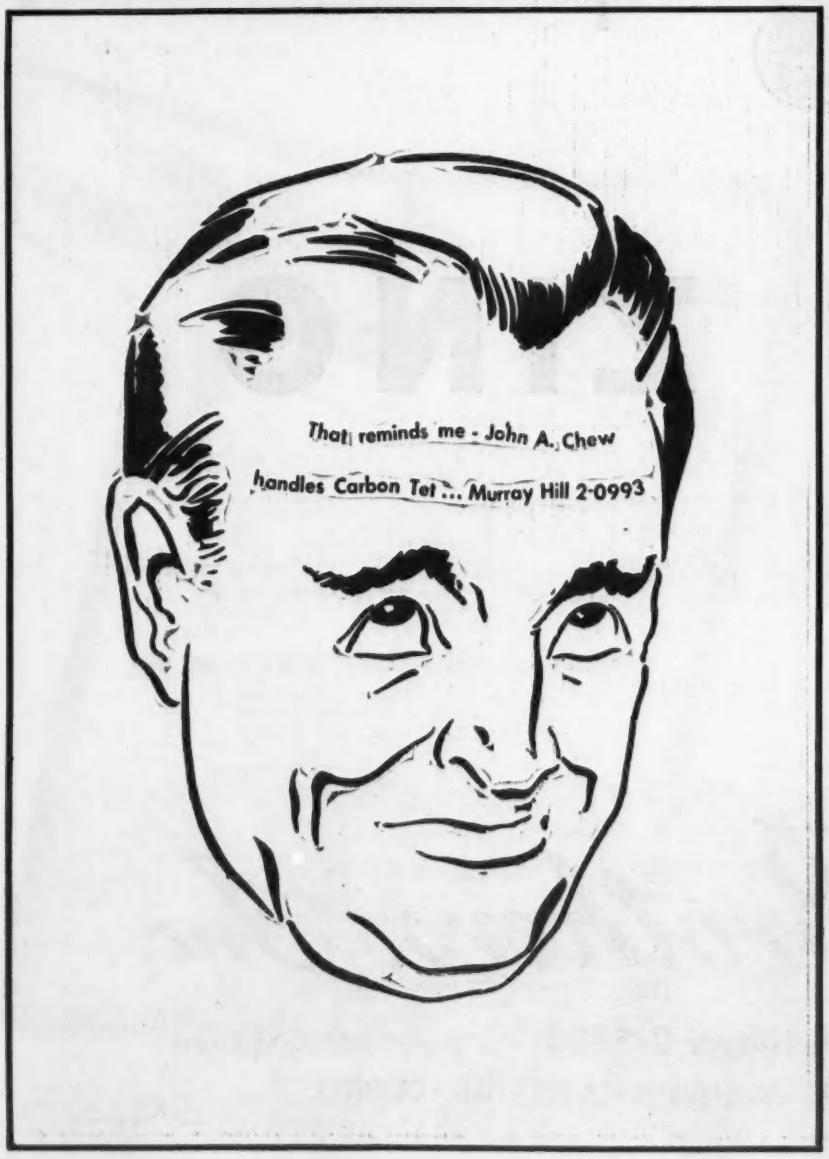
Sulphuric—Production is sufficient to level off current requirements and there is no indication of a shortage in sight at present. Demand is described as good but not urgent.

Nonferrous Metals

Aluminum—Domestic production of primary aluminum during 1952 hit an all-time peak, the Aluminum Association disclosed. The yearly production reached a total of 1,874,642,692 pounds, 34,000,000 above the previous peak established in 1943. The new record was 12 percent greater than 1951 figures when 1,673,758,854 pounds were produced. Production of 470,719,231 pounds during the last quarter contributed greatly to the new level. The final month's production of 166,817,187 pounds was 22,000,000 pounds greater than the 144,907,819 pounds produced in December, 1951.

Shipments of sheet and plate by the Association's sheet division amounted to 305,461,732 pounds for the last quarter of 1952 to make a total of 1,071,976,000 pounds for the year. December shipments were 102,792,619 pounds as against 74,175,416 pounds in December, 1951. The 1952 shipments ran slightly under the 1951 total of 1,076,226,278 pounds. Aluminum foil shipments dropped below 1951 shipments despite final quarterly shipments of 22,453,128 pounds which exceeded the 1951 fourth quarter total of 19,487,160 pounds by 3,000,000 pounds. Total foil shipments for the year were 77,807,220 pounds, 17.6 percent below the 1951 figures of 94,246,269 pounds. December shipments of 7,668,898 pounds represented a 2,000,000 pound increase over the 5,454,190 pounds shipped in December, 1951.

Magnesium—Consumption of primary magnesium in the United States during 1951 at 40,881 tons was double the quantity consumed in 1950, according to the Bureau of Mines. The rising demand was met by the increase in production, which was 159 percent above 1950 production. Six of the seven Government-owned magnesium plants were reactivated during 1951, and produced 48 percent of the year's output. The remaining 52 percent came from an independent plant at Freeport, Texas, which had been the sole producer of primary magnesium during the period 1946-50.



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in 1952. Titanium pigment production decreased to about the 1950 level. Ilmenite production remained the same as in 1951 and ilmenite imports for the first eleven months of 1952 dropped below the corresponding period in 1951. Rutile production decreased slightly under the 1951 figure; whereas, rutile imports for the first eleven months in 1952 increased over the same period in 1951. Market prices on ilmenite and rutile increased in 1952 over 1951. Commercial titanium sponge production in 1952 is estimated at 1,100 short tons, approximately double the 1951 output.

Zinc—Consumption of slab zinc in the United States in November declined 10 percent to 80,061 short tons, according to the Bureau of Mines. All major industry groups reported decreases in their use of metal. In the manufacture of brass and bronze products the loss was 14 percent, in rolled zinc products 11 percent, in galvanizing 10 percent and in manufacturing zinc-base alloys 8 percent. Stocks of slab zinc at consumers' plants rose 5 percent, reflecting gains in metal stocks by all industry groups. Smelter inventories of slab zinc, however, declined 13 percent to 83,149 tons on November 30. Producers' stocks of zinc dust were 22 percent higher than at the end of October.

Smelter production of slab zinc dropped slightly to 78,563 tons during November and zinc dust output also decreased 6 percent to 2,439 tons. November receipts of slab zinc at consumers' plants were 84,071 tons compared with 86,686 tons in October. Manufacturers of zinc-base alloys reported a gain of 3 percent in their receipts but all other major industry groups showed less zinc received than during the previous month. Secondary zinc produced at secondary redistillation plants totaled 2,756 tons and included 1,053 tons of Intermediate, 621 tons of Brass Special and 1,082 tons of Prime Western. The production of all grades declined.

Recovery of secondary zinc in zinc-base products in November declined 11 percent to 10,174 short tons, according to the Bureau of Mines. Stocks of all types of zinc scrap totaled 21,212 tons on November 30 compared with 21,326 tons on October 31. Output of redistilled slab was 8 percent lower than in October. Lower production of remelt die-cast slab, lithopone, zinc dust, other zinc metal products and zinc sulphate made from scrap materials was reported also. However, slight increases in the output of zinc chloride, remelt spelter and miscellaneous zinc-base chemicals produced from scrap were reported.

'Thiokol' Decontrol Order Last in Field of Chemicals

Revocation of the last allocation control order in existence in the chemical field, schedule 10 to NPA order M-45, affecting "Thiokol," has been announced by the National Production Authority. At the same time NPA revoked M-45, the basic control order governing the allocation of chemicals and allied products. The reason for the decontrol order was that supplies of "Thiokol" have now been balanced with civilian and military needs. The item is manufactured solely by the Thiokol Corporation, Trenton, N. J.

Caustic Bid Deadline Shifted

The Mutual Security Agency's office of small business has been advised that the bid deadline for the purchase of 200 tons of caustic soda by the Ministry of Defense, Athens, Greece, has been extended to noon (Athens time), February 28. This procurement was announced in MSA small business circlar No. 53-54 (OPD, 2/2/53). The new data furnished also provides that the "requirements of caustic soda should be solid and 98 to 99 percent pure."

Rheem Advances Cassidy

Andrew F. Cassidy has been appointed general sales manager for the Rheem Manufacturing Company, New York, it has been announced by C. V. Coons, vice-president and general manager. Mr. Cassidy joined the company in 1945 and for the past four years has been sales manager of water heaters and boilers.

Homogenizer Demonstration Feb. 23

The American Ultrasonics Company, Newark, N. J., the American associate of Ultrasonics, Ltd., of England, has announced a series of demonstrations beginning February 23 of its new "Rapisonic" homogenizer. Engineering representatives of the parent English company will be present to demonstrate the equipment to invited trade groups. Further details and descriptive booklets may be obtained by writing the company at 198 Pacific street, Newark.

Gulf Alkali Corporation Buys Plant in Houston

Property formerly occupied by the Chipman Chemical Company, and consisting of a chemical plant, warehouse space, office building and railroad siding located at 401 Yale street, Houston, Tex., has been purchased for immediate occupancy by the Gulf Alkali Corporation of New York and Houston.

At the same time, Thomas D. Jenkins, President of Gulf Alkali, revealed that the corporation had taken over the Red Circle Products Company, makers of packaged chemical products for over twenty-five years. G. D. Thiel, formerly proprietor of the Red Circle Company, will be vice-president in charge of this operation, and Douglas McGregor, Houston attorney and businessman, is secretary and treasurer.

In addition to expanding the Red Circle line, the new facilities will be available for contract packaging of nationally advertised brands for distribution and sale in the southwest. Export sales will be handled by the Inter-Gulf Chemical & Supply Corporation through jointly occupied offices at 509 Madison avenue, New York, and at Houston.

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- BHC and Formulations
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- Boric Acid
- Boron Trichloride
- Captan 50-W (Fungicide 406)
- Carbon Bisulphide
- Carbon Tetrachloride
- Caustic Soda
- Chlordane Insecticides
- Citric Acid
- Cream of Tartar
- DDT and formulations
- Dieldrin Insecticides
- Fire Extinguisher Fluid
- Parathion Insecticides
- Potassium Nitrate
- Rochelle Salt
- Silicon Tetrachloride
- Sodium Hydrosulphide
- Sulphur (specially processed for all uses)
- Sulphur-Insoluble (for rubber compounding)
- Sulphur Chlorides
- Sulphuric Acid
- Tartar Emetic
- Tartaric Acid
- Titanium Tetrachloride
- Titanium Trichloride Solution
- Toxaphene Insecticide
- "Zol" Dry Cleaning Fluid

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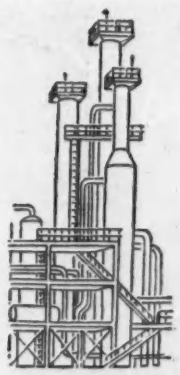
Of all the process industries, petroleum refining is one of the largest consumers of chemicals . . . in both number and quantity. So, when buying chemicals, refiners rate a dependable source of supply second only to quality.

to better advantage



Mathieson measures up to the requirements of a great many petroleum refiners. Thirteen plants, all producing essential raw materials for petroleum refining, assure maximum dependability. Mathieson is known and recognized for quality . . . and has been for over 60 years. But an added advantage is Mathieson's basic production of many chemicals needed for petroleum refining —caustic soda, sulphuric acid, soda ash, ammonia, sulphur, carbonic gas, chlorine, sodium nitrate and sodium chlorite.

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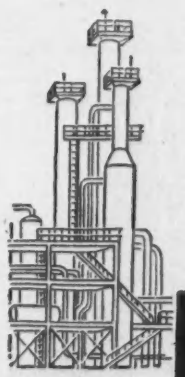

These same advantages will be of benefit to you. You'll be sure of top-quality chemicals . . . multi-plant production facilities provide dependability . . . integrated delivery system assures on-time schedules. You'll find you can buy chemicals to better advantage—at any time —by consulting with Mathieson.

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Division of Mathieson Chemical Corporation

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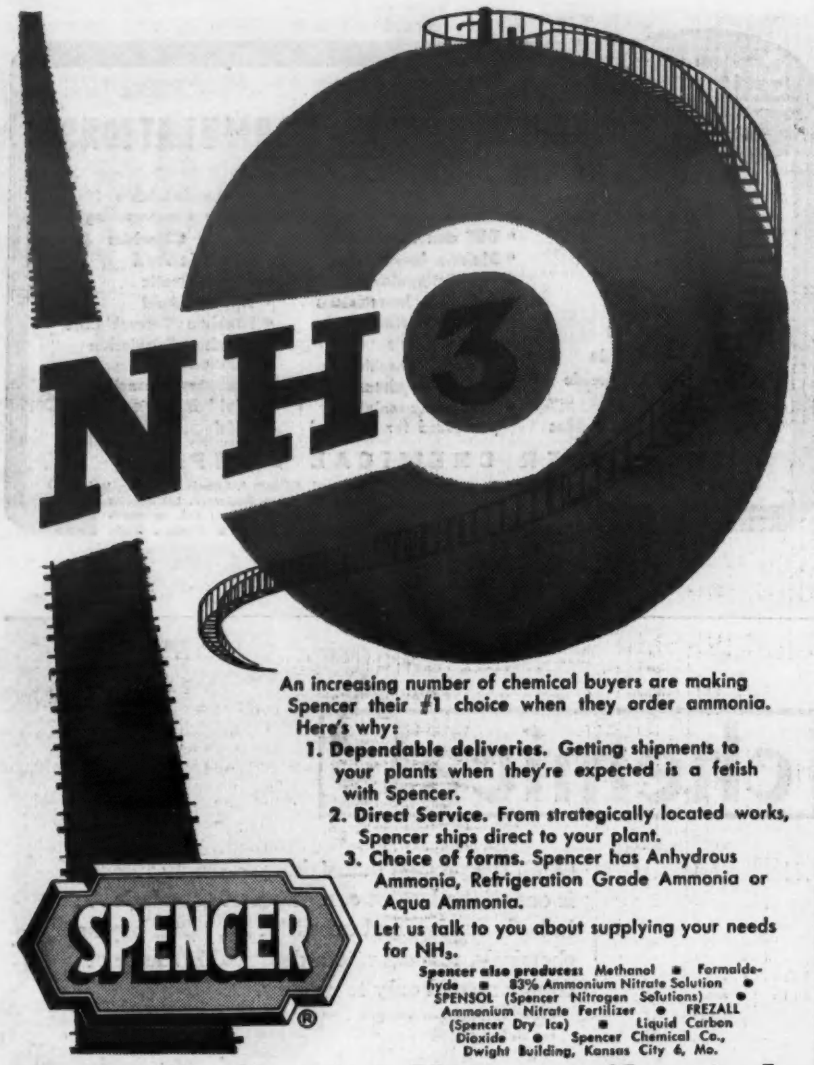
caustic soda • soda ash • liquid chlorine • sulphur • sulphuric acid • bicarbonate of soda • ammonia • sodium nitrate • nitric acid • hydrazine sodium methylate • sodium chlorite • hypochlorite products • dry ice and carbonic gas • ammonium sulphate • ethylene derivatives • methanol



An increasing number of chemical buyers are making Spencer their #1 choice when they order ammonia. Here's why:

1. Dependable deliveries. Getting shipments to your plants when they're expected is a fetish with Spencer.
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3. Choice of forms. Spencer has Anhydrous Ammonia, Refrigeration Grade Ammonia or Aqua Ammonia.

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America's Growing Name in Chemicals

Virginia-Carolina Chemical Engineering Post to Brown

Judson G. Brown has become associated with the Virginia-Carolina Chemical Corporation, Richmond, Va., as chemical engineer. Prior to joining Virginia-Carolina, Mr. Brown was associated with the International Minerals & Chemical Corporation, where he served as section leader in charge of an Atomic Energy Commission project. His other experience with AEC work includes service with the E. I. du Pont de Nemours & Co. Hanford Works, Washington, and with the General Electric Company, where he was employed in design and construction work on AEC projects.

N.Y. Textile Chemists Slate Radioisotopes Talk Feb. 27

The New York section of the American Association of Textile Chemists and Colorists will hold its next meeting February 27 at 8:15 p. m. at the Statler hotel, New York. Speaker will be Charles E. Crompton, of the radioisotopes branch, isotopes division, Oak Ridge, Tenn., who will discuss "The Use of Radioisotopes in the Textile Industry."

Moore Corporation Moves

John B. Moore Corporation has moved its offices to larger quarters at 349 Franklin avenue, Nutley, N. J. The new telephone number is Nutley 2-6666. The company has appointed John A. Campbell sales engineer for northern New Jersey; Philip A. Hougton, Inc., Boston, Mass., as distributor of its line of solvent products in Massachusetts, Rhode Island and the northern New England states, and R. C. Miller, jr., to its engineering staff to coordinate safety activities and as safety consultant.

Calco Names Conn

Dr. R. C. Conn has been appointed departmental technical director in charge of textile resins process development and chairman of the technical committee of textile resins for the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J.

Corona Chemical Manager

A. C. Hobbie has been named manager of the Corona Chemical Division of Pittsburgh Plate Glass Company. Prior to his appointment, Mr. Hobbie was manager of the Micronized products department of Corona at Moorestown, N. J. He succeeds Walter W. Ethier, jr., who has been named assistant divisional director at Newark, N. J., a new post. Mr. Hobbie will make his headquarters in Pittsburgh, Pa., and Moorestown.

Industrial Wastes Group Elects Boruff Chairman

The National Technical Task Committee on Industrial Wastes has elected C. S. Boruff, technical director for Hiram Walker Sons, Inc., its chairman for 1953-54. Retiring chairman of the committee is Dr. Harry W. Gehm of the National Council for Stream Improvement of the Pulp, Paper and Paper Board Industries. Lee C. Burroughs, manufacturing assistant to the vice-president of the Shell Oil Company, New York, and who represents the American Petroleum Institute, was elected vice-chairman. Dr. L. F. Warrick, of the Division of Water Pollution Control of the Public Health Service, was re-elected secretary.

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Pulpwood Sales to Parent Firm Have Controls Lifted

All sales of pulpwood made by wholly-owned pulpwood procurement subsidiaries to parent consuming pulp, paper or paperboard manufacturing companies have been exempted from price control, the Office of Price Stabilization has announced. The exemption is provided for in amendment 8 to General Overriding Regulation 8, and is retroactive to January 1, 1952.

The effect was to extend to such sales made elsewhere in the country the exemption which already is applicable in certain areas covered by tailored pulpwood regulations. The change was made to permit producers of pulp, paper and paperboard who procure pulpwood through their wholly-owned subsidiaries to continue to do so in their customary manner. These subsidiaries ordinarily are not operated for profit. Some sell to parent companies at prices based on estimated costs, and obtain lump sum adjustments from the parent company at the end of the year to cover any deficit. By making the provision applicable to sales made on and after January 1, 1952, adjustments of this kind covering the year 1952 will be permissible.

Sylvania Vice-Presidency Awarded to John Merrill

Sylvania Electric Products, Inc., New York, has announced the appointment of John B. Merrill to the newly-created post of vice-president in charge of metallurgical and chemical operations. Mr. Merrill has been a vice-president of the company since January 1, 1951.

Mr. Merrill now has responsibility for Sylvania's atomic energy division, in addition to retaining executive direction of the tungsten and chemical division. Mr. Merrill joined the Sylvania organization in 1941 as superintendent of the fluorescent powder operation, purchased at that time from the Patterson Screen Company. Upon completion of a large new tungsten and chemical plant in Towanda, Pa., in 1943, Mr. Merrill became plant manager, and in 1945 was appointed general manager of the newly-created tungsten and chemical division. He retained the general managership upon being elected a vice-president.

Standard Names Callicot To Southern Sales Post

L. L. Grombacher, president of Standard Chemical Products, Inc., Hoboken, N. J., has announced the appointment of Joe Callicot as a southern sales representative. Mr. Callicot was formerly manager of the Claussner Hosiery Mills, Paducah, Ky., and of the Se-Ling Hosiery Mills, Nashville, Tenn. Before that he was affiliated with the Davenport Hosiery Mills, Chattanooga, Tenn. Mr. Callicot will make his headquarters at Athens, Ga.

US Exporting Increase

—Continued from page 5

bestos, beryl, and columbium-tantalum bearing ores and concentrates in the United States, its Territories and possessions.

Oil—H. R. 2870 by Rep. James E. Van Zandt of Pennsylvania to establish quota limitations on imports of foreign residual fuel oil.

Prices—H. R. 2727 by Rep. John L. McMillan of South Carolina to provide for price support at 100 percent of parity for the 1953 and 1954 crops of each basic agricultural commodity.

Taxes—H. R. 2705 by Rep. Herman P. Eberharter of Pennsylvania to extend the excess profits tax for one year to June 30, 1954.

Toiletries—H. R. 2833 by William M. Colmer of Mississippi to repeal the war tax rate on toilet preparations.

Tungsten—H. R. 2824 by Rep. Wayne N. Aspinall of Colorado to encourage the discovery, development, and production of tungsten ores and concentrates in the United States, its Territories and possessions.

ACS National Conclave

—Continued from page 7

will be discussed in symposia of the division of biological chemistry. The division also has scheduled sessions on advances in clinical chemistry.

Dr. Robert L. Metcalf of the University of California's citrus experiment station will preside at a symposium of systemic insecticides sponsored by the division of agricultural and food chemistry. Fermentation in food technology will be surveyed in another symposium sponsored by the division. Evaluation of food quality through "physico-chemical" methods will also be described at the division's sessions.

Air pollution is the subject of a symposium to be led by Dr. T. D. Parks, of the Stanford Research Institute. The division of analytical chemistry will sponsor this symposium and other sessions on instrumentation and analysis techniques. "Industrial Waste Disposal Problems of the Petroleum Industry" is the theme of a symposium to be sponsored by the division of petroleum chemistry and the division of water, sewage and sanitation chemistry.

To Survey Tuberculosis Agents

Chemical agents used in the treatment of tuberculosis will be surveyed in a symposium conducted by the division of medicinal chemistry. This division also has scheduled a special program on drug metabolism. "The Literature of West Coast Industries" will be discussed in a symposium of the division of chemical literature.

The uses of sugar and other carbohydrates in the food industry will be discussed in a symposium jointly sponsored by the division of carbohydrate chemistry and the division of agricultural and food chemistry.

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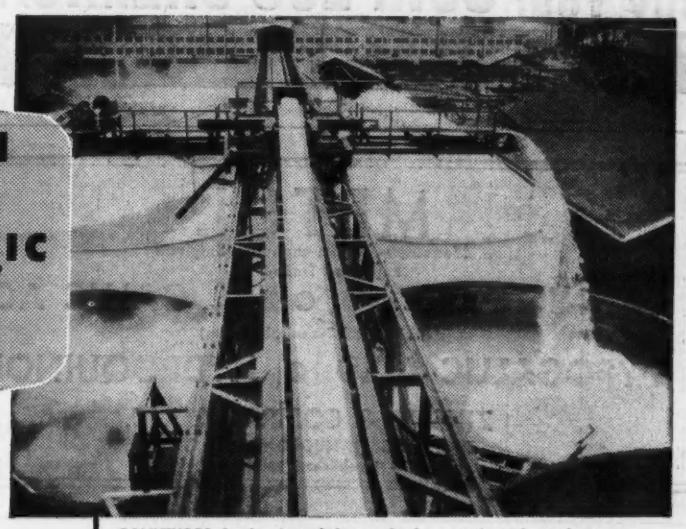

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4 **Fast, dependable deliveries**—More facilities than ever before for getting caustic to you, on schedule.

5 **If you use caustic in l/c/l quantities,** you can now purchase caustic from a Hooker plant, warehouse or jobber near you. Write us for name and address of your nearest Hooker jobber.

FOR ANALYSES, PRICES, DELIVERY INFORMATION, write Hooker Electrochemical Company, 1 Forty-seventh Street, Niagara Falls, N. Y.—or phone your nearest Hooker sales office.

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Westvaco Reports Shifts In N. Y. Sales Force

The Westvaco Chemical Division of the Food Machinery and Chemical Corporation has announced several changes of sales personnel at its New York office.

Arthur F. Smith has been appointed staff assistant to J. C. Thom, manager of sales. Mr. Smith, formerly divisional sales manager in charge of alkalis, has been associated with Westvaco over the past ten years, serving in various sales capacities, among them divisional sales manager for barium chemicals and solvents. James G. Bronson has been named divisional sales manager in charge of alkalis. Previously, he had been divisional sales manager for barium and miscellaneous chemicals, and assistant divisional sales manager of magnesias.

Fritz von Bergen, formerly in charge of the market development section of the technical sales division, has become manager of the barium chemicals division. Jules D. Gilbert has been promoted to assistant manager. Sumter A. Cogswell succeeds Mr. von Bergen.

Solvay Lets 3 Contracts For W. Va. Chlorine Plant

Awarding of three major contracts in connection with construction of the chlorine-caustic soda plant of Solvay Process Division, Allied Chemical & Dye Corporation, near Moundsville, W. Va., has been announced.

General construction contract has been let to Seabright Construction Company, contract for electrical work to Erb Electric Company, and that for piping to Culley Plumbing and Heating Company, Inc., all of Wheeling, W. Va.

Each concern has been doing preliminary work at the plant site over the past several months, including grading, construction of service buildings and foundations, as well as the installation of railroad sidings and roadways. It is expected plant will be completed and ready for operation late this Fall.

Reynolds Names Moore Chemical Sales Manager

W. B. Moore has been named manager of chemical and petroleum market sales for Reynolds Metals Company, with headquarters at the firm's general sales office in Louisville, Ky.

Mr. Moore, as manager of the chemical and petroleum sales division, will promote the use and sale of aluminum chemicals, aluminum drums for chemicals and high-grade lubricants, aluminum pipe for the oil and chemical industries, aluminum insulation, and all other aluminum products for the processing industries. He was chief engineer for the University of Louisville's Institute of Industrial Research before joining Reynolds Metals in 1949.

Victor Names S.M. McGaw Mt. Pleasant Superintendent

Samuel M. McGaw, jr., has been promoted to superintendent of the Victor Chemical Works' Mt. Pleasant, Tenn., plant according to an announcement by W. R. Dedert, general manager of production. Mr. McGaw replaces J. W. Lucas, who recently resigned.

Mr. McGaw started with Victor in the engineering department of the Mt. Pleasant plant in 1947. In October, 1951, he was promoted to production superintendent and has held that position up to the present time.

DuPont Grants License to Enka To Manufacture Nylon Textile Fiber

E. I. duPont de Nemours & Co., Wilmington, Del., has announced that it has licensed the American Enka Corporation to manufacture nylon textile fiber. In June, 1951, duPont signed an agreement with the Chemstrand Corporation, now completing a nylon plant in Pensacola, Fla. Both Enka and Chemstrand will be entirely independent producers with licenses covering the entire process, beginning with the manufacture of intermediates and ending with the production of the finished nylon fiber.

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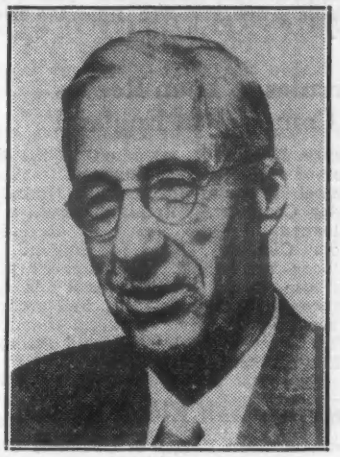
Willard Gibbs Medalist



Dr. Joel H. Hildebrand, professor at the University of California, has been named winner of the 1953 Willard Gibbs medal by the American Chemical Society's Chicago section. Dr. Hildebrand was cited for his research on the inter-molecular properties of solvents and also for his notable achievements as a teacher and administrator during his forty-year career at the university. Presentation of the medal will be made to Dr. Hildebrand at a special meeting of the section on September 25.

Deep Rock Establishes Office in Bismarck, N.D.

The Deep Rock Oil Corporation, Tulsa, Okla., has announced that its expanding operations in the Williston Basin area include the establishment of an area land and exploration office in Bismarck, N. D. John L. Ferguson, vice-president of land and exploration, also announced expansion of Deep Rock area offices in Wichita Falls and San Antonio, Tex. Expanded operations in these two offices have resulted in the promotion of F. E. Melott to Wichita Falls area manager and M. E. Forney to San Antonio area manager.

The establishment of the Bismarck area office is the last in a series of changes inaugurated in December with the creation of a land and exploration area office in Tulsa. Among the changes announced by Deep Rock was the appointment of William Ford, of the Tulsa production division, as economic assistant to vice-president Ferguson, and the transfer of R. B. Hurlbutt of the company's Shreveport, La., office to the post of assistant to the manager of the geological department in Tulsa.

Named to the new land and exploration area office in Bismarck are Harry W. Hitt and John C. Meyer, who were transferred from Deep Rock's Midland, Tex., office, and M. R. Reston, who was transferred from the Calgary, Alberta, office. Mr. Hitt will be area landman at Bismarck, Mr. Meyer will become area geologist and Mr. Reston will be a landman. In the new land and exploration area office in Tulsa, I. S. Higginbotham has been named area geologist, L. L. Crozier has been appointed area landman, J. L. Roach has been named geologist and H. L. Curry has been appointed scout. Scout R. W. Bayliss has been shifted from Oklahoma City, Okla., to the Denver, Colo., office.

Doehler-Jarvis Corp. Votes Merger With National Lead

Stockholders of Doehler-Jarvis Corporation, Grand Rapids, Mich., last week voted to merge with National Lead Company, New York. The vote endorsed an earlier action by the Doehler-Jarvis board of directors. The concern has two plants at Grand Rapids and plants at Chicago, Toledo, Ohio, Batavia, N. Y., and Pottsdown, Pa. It manufactures hardware for autos and household appliances.

Pennsalt Names Howard

Blake C. Howard, jr., has joined the Pennsylvania Salt Manufacturing Company's maintenance chemicals department to handle sales in the St. Louis, Mo., territory. Mr. Howard was previously with the Equipment Sales Corporation.

German Patent Data Offered

Translations of selected German patent applications of recent date in the field of organic chemicals are offered in a bulletin issued by the Research Information Service, 53 Nassau street, New York. Bulletin No. 76, "Organic Chemicals," contains abstracts of the patent applications and a listing of I. G. Farben manufacturing processes of which translations are available in report form. A wide range of subjects is covered, from the purification of acetylene to the manufacture of such compounds as phthalodinitrile and quinoline.

Church & Dwight Elects Henry Minton President

Church & Dwight Company, New York, has elected Henry M. Minton president of the concern. Mr. Minton succeeds Charles T. Church, who becomes vice-chairman of the board. His brother, E. T. Church, continues as chairman. Elected vice-president of the concern was John D. Leggett.

Other Church & Dwight officers are:—Vice-president and treasurer, Ellsworth E. Dwight; assistant treasurer, Duncan D. Dwight, and secretary, W. I. Bingham.

Trade Briefs

Neal D. Williams has been appointed manager of the Monterey Oil Company's land department.

Union Chemical Corporation, Newark, N. J., has announced the formulation of a pleasant odor floor lacquer.

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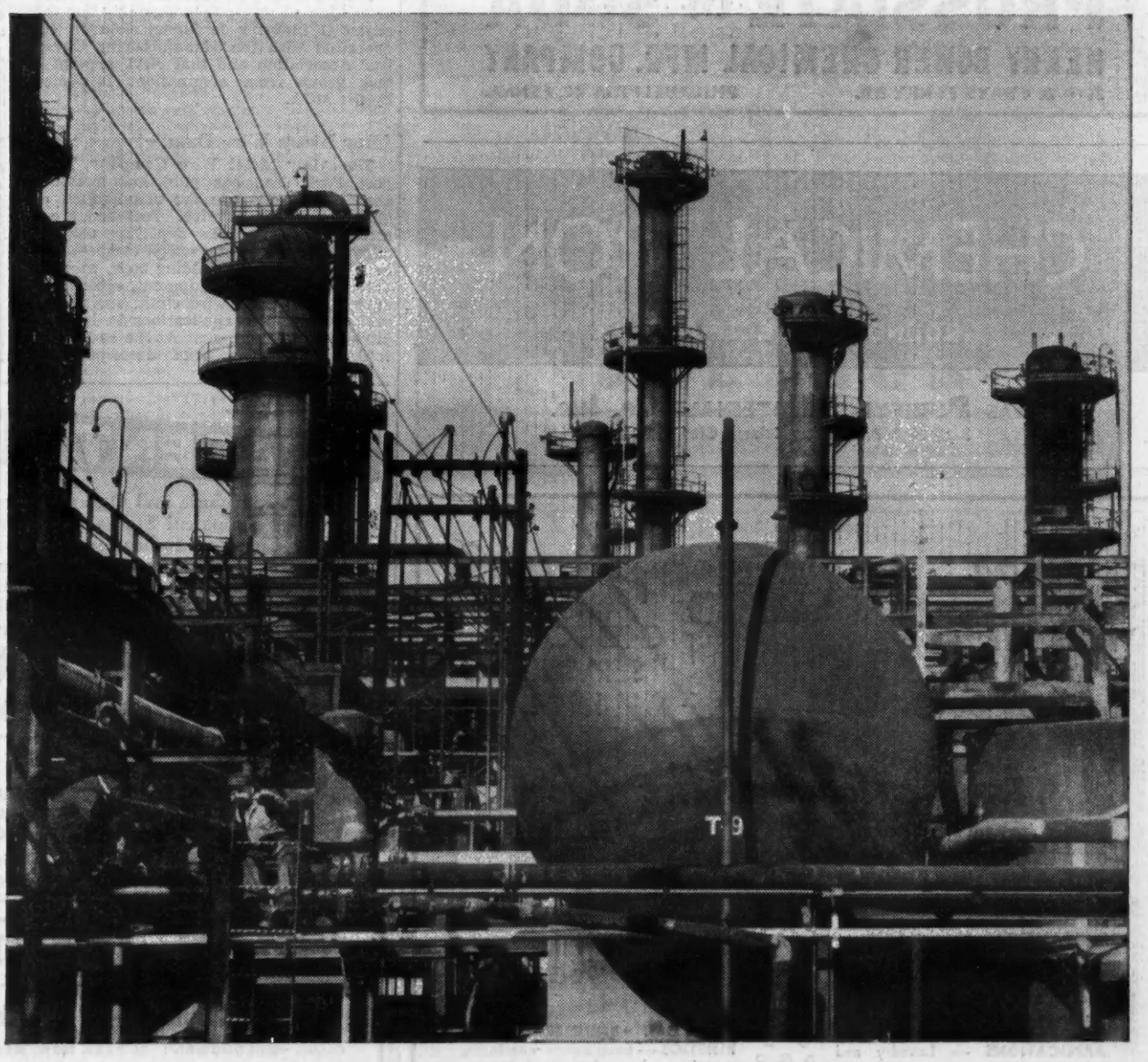

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Chemical Industry Group Gets Post-Attack Plan Data

A three-point program for post-attack planning was presented to the chemical industry advisory committee February 12 by the National Production Authority.

In the first such presentation to an industry advisory committee of problems arising out of an enemy attack on the nation's production facilities, NPA outlined the following three broad concepts governing post-attack planning:—

Preventive measures: (1) Dispersion of essential new facilities; (2) decentralization of industry; (3) protective construction.

Logistic measures—(1) Pre-planned production transfers from damaged to undamaged plants; (2) reserve stocks; (3) development by government of emergency controls.

Reconstruction measures — Advance planning on engineering, construction and equipment.

Government officials stressed that the bulk of post-attack planning must be borne by industry itself, with the government and industry jointly responsible for identifying the most critical industries and products and defining the general post-attack problem.

The committee recommended that initial promotion of post-attack planning for the chemical industry be undertaken in cooperation with the Manufacturing Chemists' Association and that NPA appoint a task group from nominations furnished by the MCA.

Alloy Issues Wire Data

The Alloy Metal Wire Company, Prospect Park, Pa., has published a folder showing the steps in the manufacture of quality alloy metal wire. Included are a series of photographs depicting uses of alloy metal wires of various compositions in such products as welding rods, wire for automatic welding equipment, electronics equipment, woven wire cloth, spring and various consumer applications in jewelry, kitchen equipment, etc. At the end of the folder there is a brief description of the new group management plan recently instituted at Alloy Metal Wire. Copies are available without charge from the company.

Hercules to Loan Reeves To Company in England

Henry Reeves, jr., assistant to the director of operations for the paper makers chemical department of the Hercules Powder Company, Wilmington, Del., will be loaned for two years to Hercules Powder Company, Ltd., in England, it has been announced. Mr. Reeves will contribute to the British plant his experience in operations, sales, and technical service on paper makers chemical products now made by and sold through the English company.

Amer. Potash Elects Austin

The American Potash & Chemical Corporation, Los Angeles, has announced the election of Lloyd L. Austin as a member of the company's board of directors. Mr. Austin succeeds Russell W. Mumford, who resigned from the board but continues as vice-president and consulting engineer. Mr. Austin, who was formerly a director of the Trona Railway, an American Potash subsidiary, has been succeeded on that firm's board by George Mordy.

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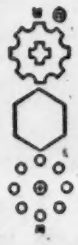

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Agricultural Chemicals

Index declined to 112.68 last week from a revised figure of 112.73 in the preceding period. New low prices for dried blood and tankage were established, the latter showing a low record for recent years. The indifference of the stockfeed trade left both markets without important buying support. Other packing-house by-products continued quiet but wtihout price change.

Ammonium nitrate including Canadian and domestic material remained in definitely tight supply. Some gain in shipments of ammonium sulphate were noted and a fair amount of business has been booked for March without impairing the favorable supply position. Superphosphate continued available in most areas with shipments below normal. Withdrawals of potassium muriate have started to move in better volume to the midwest and to Florida. Limited quantities of cyanamide were available on contract. Nitrogenous process tankage was also offered without attracting buyers' attention.

Domestic fertilizer consumption in 1952 may reach 20,000,000 tons—7% above the 18,700,000 tons used during 1951, according to the National Fertilizer Association. This conclusion is based on the fact that sales of fertilizer tax tags and reports of shipments in 14 reporting states for the past 12 months amounted to more than 10,500,000 tons, 7.2% above the 9,800,000 tons recorded in 1951. Fertilizer consumption in the reporting states traditionally has been over 50% of total domestic fertilizer consumption.

Production figures appearing below, unless otherwise specified, are from the Chemical Division of the Tariff Commission.

Fertilizer Materials

Ammonium Nitrate—No indication of easement in the supply. Demand for both Canadian and domestic is running in excess of production and the market position is firm and tight.

The government of India plans to establish two plants at Sindri for the manufacture of ammonium nitrate and urea in addition to the ammonium-sulphate factory already in operation there. A third plant for the production of methanol also is under consideration.

Ammonium Sulphate — Requirements are being satisfied at present and demand is said to show some improvement with a fair tonnage booked for March shipment. The overall supply situation appeared to be comfortable.

Castor Pomace—Moderate trading on the carlot basis of $37.25 per ton, works. Stocks limited.

Dried Blood—Demand light, prices lower. New York and Chicago both named $5.75 per unit of ammonia without attracting much buying interest.

Fish Meal—Production of herring meal for eleven months ending November 30, 1952, was placed at 7,852 tons by the Department of the Interior. The total included 3,180 tons from Alaska and 4,672 from Maine. Tuna and mackerel meal output over the same period amounted to 30,051 tons, compared with 22,471 for the same time in 1951. Alaskan herring meal is priced at $158.20 per ton for 70 percent, bulk, f.o.b. Seattle, Washington.

Hoof Meal—Inactive with last sales at $6.75 per unit of ammonia, Chicago basis. It was stated that a firm bid below this figure would likely meet with consideration.

Phosphate Rock—Remained relatively quiet with the current movement confined largely to domestic contract withdrawals. There was less high grade Florida rock available than low grade. The price structure continued firm. No new important export sales were reported.

Phosphate rock production in Tunisia totaled 184,140 metric tons in October, 1952. Exports of this material amounted to 146,900 tons, and went principally to Italy, France, the United Kingdom, Belgium and Spain. Output of hyperphosphate (finely ground phosphate rock), was 11,110 tons.

Potassium Muriate—Some increase in contract withdrawals reported for use in the Midwest and also for Florida. Otherwise shipments remained relatively slow. From an international standpoint, the supply appeared to be good.

Sodium Nitrate—Inquiry continued to show a seasonal gain with the outlook favorable for further expansion. Stocks remain adequate to meet requirements.

Superphosphate—Withdrawals have not increased substantially during the first half of February. Any improvement noted has been in the South including Alabama, Georgia and South Carolina. It is expected that shipments will increase materially after the middle of next month. Meanwhile, the supply situation has remained comfortable in most every important area.

Tankage—Prices declined to the lowest level in recent years with scarcely any buying interest to support the market. Stocks in New York were available at $5.25 per unit of ammonia and at $6.25 in Chicago.

Price Trends

Advanced

None

Reduced

Blood, dried, 10c. per unit of ammonia, New York, 50c. Chicago.
Tankage, 50c. per unit of ammonia, New York, 25c. Chicago.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
112.68	112.73*	112.93	113.31

*Revised.

(*For Current Prices see page 9*)

Los Angeles Market

Los Angeles—Demand continued to be spotty during the week, moderate to heavy interest reported from northern areas and very light from Imperial Valley regions. Suppliers' inventories were excellent with all shipments coming through on schedule. Prices held firm for all items with no changes from the last report.

Ruling prices were:—Ammonium nitrate—$85.30 per ton, domestic, f.o.b., Los Angeles; $86.84 per ton for Canadian material, f.o.b., Los Angeles.

Ammonium phosphate—$77.14 per ton in bags, 16/20 grade, f.o.b., Los Angeles; $103.64 per ton in bags, 11/48 grade, f.o.b., Los Angeles. Both Canadian material.

Ammonium sulphate—$55.03 per ton in bags, domestic, f.o.b., Los Angeles; $3 less in bulk. Canadian material same.

Blood meal—$5.50-$5.75 per unit of ammonia at source; Bone meal—$65-$68 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor. Domestic—$90-$92 per ton, f.o.b., Los Angeles.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Castor pomace—$37.25 per ton, f.o.b., Los Angeles.

Fish meals—$2.30 per unit of protein, domestic, sacks included, f.o.b., San Pedro; $2.25 per unit of protein, imported, sacks included, ex-dock.

Potassium muriate—50½c. per unit in bulk, f.o.b., Trona; Potassium sulphate—95 to 98 percent K_2SO_4, 86c. per unit, f.o.b., Trona.

Sodium nitrate—$58.50 per ton in 100-pound bags, f.o.b., Los Angeles; $53.50 per ton in bulk.

Tankage — Wet rendered, fertilizer grades, $4.75-$5 per unit of ammonia, f.o.b., producing plant.

Pesticides

Market conditions have not varied greatly during the first half of February. Some contracts in DDT have been placed and the market remained competitive although there appeared to be indications of a stronger situation developing. BHC remained quiet and the overall demand for insecticides has continued slow with producers inclined to name prices at time of shipment. According to trade reports, cotton dust 3-5-40 is still under selling pressure in the South with prices said to be below the cost of actual ingredients. Distributors have taken on some of the weed control chemicals although it was stated there is not too much stability in 2,4-D regardless of the recent sharp decline in prices. Sales of 2,4,5-T were reported to distributors and it is not known whether dealers or consumers have attempted to build up stocks. Supplies of both were described as adequate.

BHC—No important buying interest at present. November production was down to 1,894,945 pounds, compared with 2,087,143 in October and 9,717,413 pounds in November, 1951. The gamma isomer content in November was 460,451 pounds, against 494,696 in the preceding month and 1,381,767 pounds in November, 1951.

DDT—The market appeared to show indications of strengthening according to some producers who are quite confident that prices will harden with the advance of the season. November production was placed at 5,546,080 pounds, compared with 2,705,431 in the previous month and 9,886,227 pounds during November, 1951.

2,4-D—November production of acid amounted to 2,739,131 pounds, compared with 2,915,941 in October. The output of esters and salts in November was 1,772,733 pounds, against 1,602,425 in the preceding month. Total production of acid and derivatives in November, 1951, was placed at 1,796,321 pounds.

For Late Market Developments, See Page 4

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Pacific Guano Company To Have New President

Pacific Guano Company, Berkeley, Calif., has announced the retirement of Weller Noble as president and general manager of the firm, effective April 1. Mr. Noble, who has been with Pacific Guano and the predecessor mainland companies f.. forty-five years, will be succeeded by W. G. Hewitt, vice-president of the parent company, Pacific Chemical & Fertilizer Company of Honolulu, Hawaii. Mr. Hewitt will continue to hold the parent company post in addition to his new office as president and general manager of Pacific Guano.

Mr. Noble served as vice-president and general manager of Pacific Guano from 1935 to 1945, and has been president since 1945. He will continue on a consulting basis with the firm for the balance of this year, and will be available for special assignments thereafter.

Legume Seed Inoculant Price Curbs Removed

The Office of Price Stabilization last week lifted price controls on legume seed inoculants—cultures of living nitrogen-fixing bacteria intended for mixing with legume seeds before planting to increase the production of legume crops and improve the quality of the soil.

OPS said the inoculants are produced by a small number of firms of which seven account for over 95 percent of the total production. T.. cost of the inoculants to farmers is a minor part of the costs of raising legume crops, and no significant price increases are expected to result from this action. This action was taken in amendment 1 to revision 1, General Overriding Regulation 3, effective February 9.

Chemstrand Nylon Output Due in 1st Quarter of '54

Initial production from Chemstrand Corporation's nylon plant now under construction near Pensacola, Fla., is anticipated during the first quarter of 1954, Murray H. Morse, of Chemstrand's sales department, has revealed. Mr. Morse stated that the Chemstrand nylon plant, designed to produce at a capacity of 50,000,000 pounds annually, will probably come into full output eight months after the initial start-up.

Simplot Fertilizer Becomes Division of J. R. Simplot Co.

The Simplot Fertilizer Company, with mining and production operations at Pocatello, Idaho, has been renamed the fertilizer division of the J. R. Simplot Company. E. W. Hansen has been named sales manager of Simplot's fertilizer, fluorspar and barite divisions, and will make his headquarters in Boise, Idaho. L. M. Buhler has become manager of fertilizer production and phosphate mining, and will be located in Pocatello.

Agriculture Post to Braswell

The appointment of Marcus B. Braswell as deputy administrator of the Production and Marketing Administration of the Department of Agriculture, was announced last week by Secretary of Agriculture Ezra T. Benson.

Mr. Braswell will be associated directly with the PMA administrator Howard H. Gordon in carrying out the production, marketing, and commodity programs and services of that agency. He was previously assistant administrator of the department's Farmers Home Administration in Washington.

American Can Co. Creates Division To Convert Experimental Containers

The creation of a new division concerned with converting experimental containers to commercial use by finding ways to mass-produce them on high speed manufacturing lines has been announced by the research and technical department of the American Can Company, New York. H. R. Vitense, a veteran of thirty-two years with Canco, will head the new development division, which will be a part of the research and technical department.

Builders Iron Foundry Elects

Builders Iron Foundry has elected Earl H. Bradley president to succeed Henry S. Chafee, who will remain treasurer of the concern. Mr. Bradley is also president of B-I-F Industries, Inc., a director of Builders-Providence, Inc., vice-president and secretary of Proportioneers, Inc., director of Omega Machine Company, director of Builders-Pacific, Inc., president of B-I-F Industries of Canada, Ltd., and vice-president of Harris-Kinsley, Inc. George W. Kelsey has been elected president of Builders-Providence, Inc., the instrument division of Builders Iron Foundry.

Eisenhart Leaves Chemical Service for Roger Position

John J. Eisenhart has resigned his position as general manager of Chemical Service of Baltimore, Inc., Baltimore, Md., which he held for the past six years, in order to take a more active part in the newly formed J. G. Roger Chemical Company, Baltimore, of which he is president.

Trade Briefs

Clark C. Miller has been appointed information coordinator at the Whiting, Ind., research laboratories of the Standard Oil Company (Indiana).

Dr. Thomas H. Chilton, technical director of the engineering department of E. I. duPont de Nemours & Co., Wilmington, Del., has been named chairman of the engineering manpower commission of the Engineers Joint Council.

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Cyanamid de Mexico Adds Entire Calco Dyestuffs Line

Cyanamid de Mexico S.A. announced today that American Cyanamid Company's entire line of Calco dyestuffs will be added to the products distributed. These dyestuffs, numbering over 1,000, and produced by Calco Chemical Division, will be made available to ten or more different industries in Mexico, including leather, textiles, food, paper and plastics.

Since 1939 these dyestuffs have been distributed by the dyestuffs department of Establecimientos Mexicanos Colliere and this department has now been transferred to Cyanamid de Mexico. The concern, formerly known as Reactivos S.A., recently expanded its activities beyond the mining chemicals which it has distributed since 1926 to include the entire range of American Cyanamid's agricultural chemicals, insecticides and textile finishes.

Among the products now distributed by the firm are American Cyanamid's complete line of "Aerotex" resins which are said to impart shrink-resistant, fire-retardant, water-repellent and many other durable characteristics to textiles. Demand for these products in Mexico has been growing rapidly in recent years. Other products include a wide range of insecticides, fertilizers and defoliation chemicals. Cyanamid de Mexico, which occupied the former offices of Reactivos S.A. at Edificio El Provenir, Aquiles Serdan 28, Mexico D. F., has moved to Gabriel Mancera 1542.

Pharmaceutical Exports From Poland Reported

The expansion of Poland's pharmaceutical industry has made it possible to begin exporting staple synthetic drugs, organic preparations and penicillin, according to the Polish Chamber of Foreign Trade.

The list of synthetic drugs includes salicylic acid derivatives, sulphonamides, anesthetics, procains and codeine. The salicylic acid derivatives, include acetylsalicylic acid and salicylic acid salts. Other products available for export at this time include sulphathiazole, sulphanilamide, and sulphaguanidine.

Other exports include narcosan and procaine. From the special laboratories of the Central Board of the Pharmaceutical Industry, at Jelenia Gora, in western Poland come pituitary gland preparations, standardized in Voegtlin units, as well as in the pure form, ACTH Also available are procaine penicillin and calcium penicillin.

Vegetable Oils Output Projected by Egyptians

Egypt's Higher Council for Supply has decided that attempts will be made to expand the caustic soda factory at Wadi Natron with a view to producing vegetable oils, according to information from the American Embassy at Cairo. It was the committee's decision also to proceed with the improvement and extension of the land surrounding the factory so that it may be cultivated in peanuts and castor beans.

The Egyptian government is trying to develop agriculture in the Wadi Natron area sufficient to support the existing population. An informal request has been made of Technical Cooperation Administration authorities for advice concerning such agricultural development.

Fulton Bag Ups Barnet

The Fulton Bag & Cotton Mills, Atlanta, Ga., has announced the promotion of Fred G. Barnet to the position of assistant manager of its Dallas, Tex., operations. Mr. Barnet is a great-grandson of Jacob Elsas, the founder of the business, and has been associated with the company since 1939. Mr. Barnet is a director of the company and will assist George W. Williams, manager of the Dallas plant, in the general operation and supervision of Fulton's activities in the southwest.

Baird Co. Adds Danziger

J. M. Baird Company, New York, has appointed Max J. Danziger manager of its agricultural chemicals and fertilizer division. Mr. Danziger was formerly associated with the Mercantile Metal & Ore Corporation.

Carnegie Chemical Incorporated

Carnegie Chemical Manufacturing Company, Los Angeles, Calif., has been incorporated as the Carnegie Chemical Manufacturing Corporation. Principal stockholders of the corporation include the president, Irwin Cornell, and the New York Hanseatic Corporation. Main offices of the firm will continue at 6363 Wilshire boulevard, Los Angeles.

Koppers Ups Gaylord, Dedicates New Facility

The Koppers Company, Pittsburgh, Pa., has announced the appointment of M. W. Gaylord to the post of assistant manager of the research administration section of the research department. Mr. Gaylord will be located in the Verona, Pa., research center. He joined Koppers in 1939 as a cadet engineer at the company's St. Paul, Minn., plant. After a period of military service, he returned to St. Paul as plant engineer. In 1949 he was named production manager of the gas and coke division, a post he held previous to his appointment to the research department.

Koppers has announced that it informally dedicated its new plant in Fontana, Calif., recently with a tour and luncheon attended by more than 400 industry, business and civic leaders of the Fontana and Los Angeles areas. Operated by the Koppers Tar Products Division, the new plant is now producing a general line of products made from the crude tar which comes from the Kaiser Steel Corporation's chemical recovery coke ovens.

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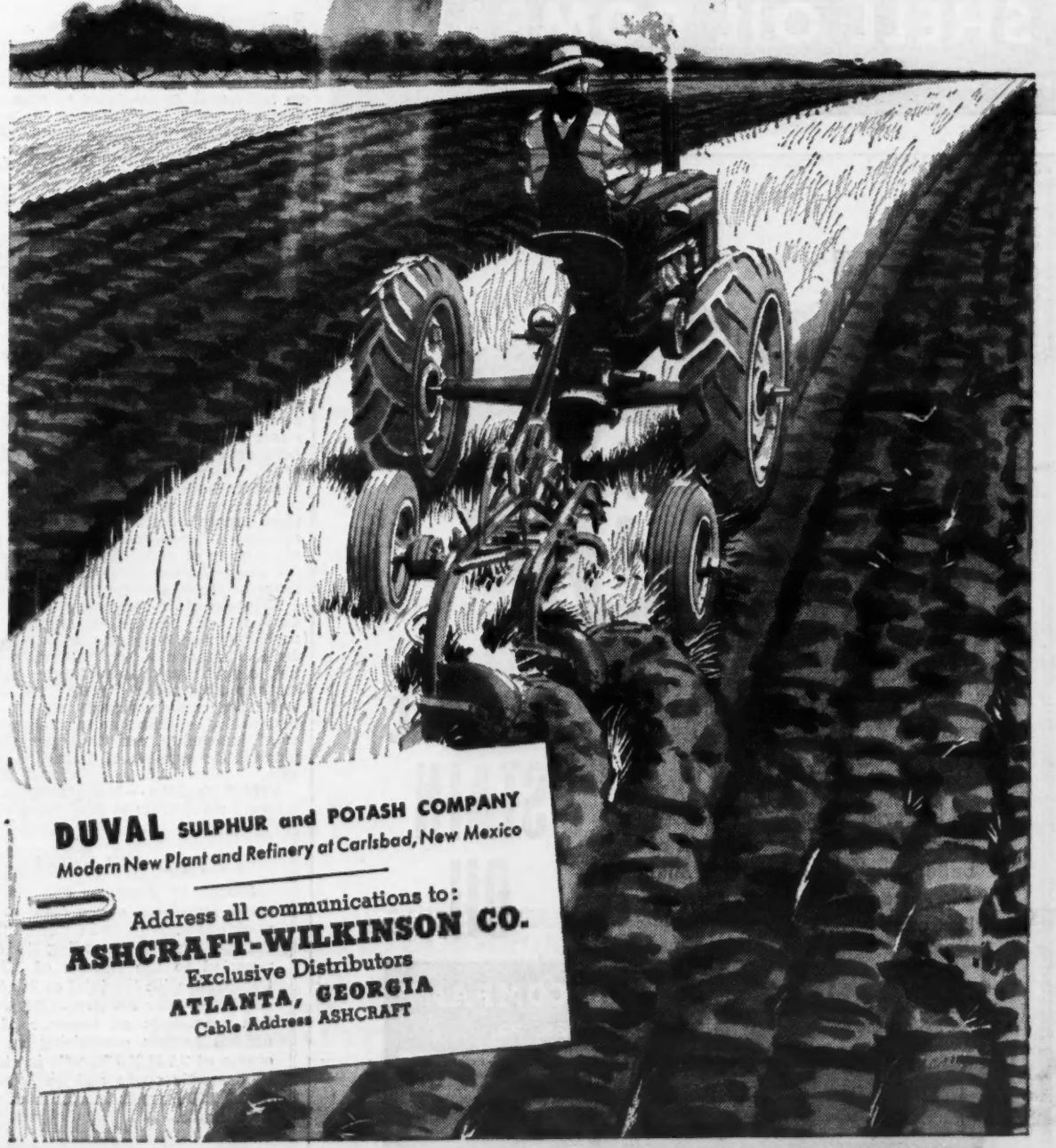

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P-49

Petroleum Derivatives

The strike of tug and barge workers in the New York harbor caused some disruption of supplies before a settlement was reached. However, no acute shortages developed during the strike period and consumers found heating oils and liquefied petroleum gases in approximately the same supply position as before the interruption of deliveries. Fuel oils in most other parts of the country remained adequate for demand and no critical shortages appeared imminent.

Military requirements for toluol showed an increased emphasis on material for aviation gasoline, while other demands, both military and industrial, held steady. Civilian consumers continued to find very short supplies to draw upon, and were looking for more available materials as possible substitutes. Xylol received added call on this account, and remained in a snug supply position, although with no actual shortage apparent. A good demand for higher boilers was met without difficulty from current production.

Supplies of propane were found to be tight in the East and in some other parts of the country, while butane stocks remained high enough to fill most demands without any noticeable pinch. Quotations for all liquefied petroleum gases held firm. Waxes showed no significant features and remained available in ample amounts in spite of some cutback in production, due chiefly to limited call for lubricating oils. Demand for petrolatums continued at the moderate to brisk rates of the past sixty days and showed no significant change. Consumer requirements were filled from the currently unhampered production. An easy situation prevailed in white mineral oils, where demand stayed close to normal limits.

Solvents and Diluents

Lacquer Diluent—Consumption by industrial users held the brisk pace maintained during the past months and showed no indication of slackening. The active demands were met without strain from production, which was reported in the trade as being entirely adequate. Continued easy availability of the material was expected for at least the immediate future. Prices remained without changes in the past week.

Stoddard Solvent — Manufacturers reported a good inquiry for the material. The rate of demand has tended to remain steady, thus enabling producers to meet it without difficulty. Supplies were available at unchanged prices and in ample quantities. The supply situation was due to remain in balance for the foreseeable future, trade sources reported.

Toluol—The nation's needs for aviation gasoline, currently running very far in advance of actual supplies, put continued stress on the need for toluol. In addition, military requirements of nitration grade material tended to remain at least as sizable as in past weeks. The pressure of these needs prevented an easing of the tight supply situation and kept industrial consumers from obtaining their needs with any degree of ease. Price schedules during the past week showed no change from those in effect previously.

Xylol—A state of balance between production and demand characterized the market during the past week. With some facilities turned to the production of toluol, output was not up to the levels of some months back. Demand for the material has remained fairly steady during that period, showing no marked trend toward increasing, and thus preventing a pinch in the amounts of the material available.

VM&P Naphtha — Manufacturers maintained a steady rate of production that put the material on the market in amounts ample enough to meet most current demands without difficulty. Consumers showed a routine buying interest and most trade observers expected no immediate change in the well balanced supply situation.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
104.13	104.13	104.13

(*For Current Prices see page 9*)

Waxes

Microcrystalline—Output remained affected by currently reduced production of lubricating oils during the past week. The production decrease was not of sufficient proportions to put the material in short supply or to cause users undue difficulty in obtaining their requirements. Demand for most grades of waxes remained on a par with that of the past thirty days, showing little upward trend. The export market was without special feature. Many potential foreign buyers, it was reported in the trade, found the extent of their buying in this country restricted by dollar exchange limitations.

Paraffin—Material was available from current production in quantities sufficient to fill most current needs without difficulty. Consumers maintained requirements at an even level, with no significant change in demand noted for the second month of the present quarter. Prices remained unchanged and sales were reported as holding to current quotations with no trend toward weakening.

Lighter Fractions

LPG's—Supplies of propane remained somewhat tight in the east, with some producers supplying only contract customers. Because of the pinch in available material, shipments tended to fall several days behind schedule. Butane was more easily available. Warmer weather than normal in the midwest helped the situation there, and suppliers were more easily able to fill demands. Prices held firm and were unchanged from those of the previous week.

Miscellaneous

Crude Oil—Imports of crude oil and petroleum products continued to total more than a million barrels a week. American Petroleum Institute figures put the total for the week ended January 31 at 1,098,800 barrels.

Fuel Oil—Consumers of heating oils in the New York city area watched with interest as efforts to settle the tug workers strike proved successful. No critical shortages developed in the region that is dependent on the New York harbor for its supplies. Deliveries in other areas were generally maintained without difficulty and no supply pinch was seen as likely in the immediate future.

Petrolatum—An evenly maintained consumer demand was filled from current production without difficulty. The comfortable balance maintained by manufacturers was expected to continue without interruption in the immediate future. No price changes were noted during the past week.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended January 31 totaled 270,641,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 266,623,000 barrels for the preceding week, this represents an increase of 4,018,000 barrels comprising an increase of 3,749,000 barrels in stocks of domestic crude and an increase of 269,000 barrels in stocks of foreign crude.

Los Angeles Petroleum Market

Solvents and diluents continued to move at a good rate as consuming interest was regularly maintained. Supplies were reported adequate to meet present requirements. Cleaning solvents, including Stoddard, quoted from 15.7c. to 19.7c. per gallon, tankwagon, ex-tax, f.o.b., Los Angeles Basin area. Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, same basis.

Butane remained in a tight supply position with demand strong. Postings were unchanged at 4.8c. per gallon, tankcars, f.o.b., Los Angeles. Moderate interest was reported for propane with stocks more readily available and quotations unchanged at 4.3c. per gallon, tankcars, f.o.b., Los Angeles.

Buying interest for high melting point paraffin waxes remained on an equal basis with supplies during the week. Listings were described as firm and unchanged over previous reports. 142/147 ASTM, carload loose slabs, fully refined, f.o.b. refinery, San Francisco Bay area, quoted .0675c. per pound. 157/162 ASTM, same basis, quoted .083c. per pound. Tankcar prices quoted .0635c. and .079c. per pound respectively.

For Late Market Developments, See Page 4

Additive Plant Building Plans Told by Lubrizol

The Lubrizol Corporation, Cleveland, Ohio, has acquired a site of seventeen acres in the vicinity of Niagara Falls, Ontario, and will build an additive plant representing an initial investment of around $400,000, President Kelvin Smith has announced.

The new plant will produce a full line of motor oil and gear lubricant additives for Canadian refiners. It will be the first plant to manufacture these products in Canada, it was reported.

The Canadian company will be known as Lubrizol of Canada, Ltd., and will have the same staff of officials as the parent company. These are Kent H. Smith, chairman of the board; Kelvin Smith, president; F. Alex Nason, senior vice-president; Thomas L. Holland, vice-president in charge of sales; Arthur O. Willey, vice-president in charge of engineering; Clyde H. Britten, vice-president in charge of manufacturing; David K. Ford, secretary, and Russell J. Ferree, treasurer.

Ind. Standard Engages Kellogg to Erect Plant

Standard Oil Company (Indiana) has selected the M. W. Kellogg Company, New York, as prime contractor for the construction of a new alkylation unit at its Casper, Wyo., refinery. Design of the new 700-barrel-a-day unit is already in final stages. Construction is expected to begin during the summer of this year. Completion and initial operation are scheduled for May 1954.

Other additional new construction will provide tankage and off-site facilities necessary to integrate the new alkylation unit with the exitsing refinery at Casper. This construction will proceed concurrently with Kellogg's construction of the new refinery unit. The new alkylation unit will provide a means of increasing high octane gasoline production, as desired to help meet essential military and commercial aviation requirements.

Bartleson Joins Ethyl

John D. Bartleson has joined the automotive products division of Ethyl Corporation's research and engineering department at Detroit, Mich. Prior to joining Ethyl, he was with the chemical research division of the Standard Oil Company of Ohio, specializing in hydrocarbon synthesis and the development of lubricating oil additives.

Sun Appoints Henderson Sarnia Refinery Manager

The appointment of Gordon R. Henderson as manager of the Sun Oil Company's refinery now under construction at Sarnia, Ontario, has been announced. Before joining Sun, Mr. Henderson was vice-president and general manager of Catalytic Construction of Canada, Ltd., directing that company's Canadian activities which include the building of Sun's Sarnia refinery. He had been chief engineer of the Polymer Corporation in Sarnia prior to his association with Catalytic.

California Research Names Kavanagh to Research Post

F. W. Kavanagh has been appointed manager of petroleum products research in the development and technical services divisions at the Richmond laboratories of California Research Corporation. Mr. Kavanagh succeeds A. H. Batchelder, who was recently elected a vice-president of this Standard Oil Company of California subsidiary. The appointee joined Standard in 1930 and has been technical assistant to the manager of the divisions he now heads since 1945.

NPC Adds Wesley Downing

Secretary of the Interior Douglas McKay has appointed Wesley E. Downing to membership on the National Petroleum Council. Mr. Downing, newly elected president of the Independent Oil Men's Association of New England, succeeds Horace F. Davenport, outgoing president of the association.

Trade Briefs

Sinclair Refining Company has appointed Marc F. Braeckel general sales manager.

Standard Oil Company (Indiana) has appointed R. V. Shankland senior research associate.

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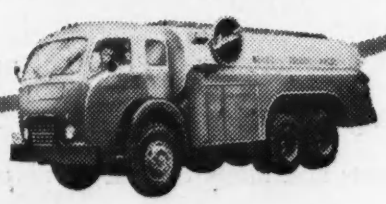

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Coal Chemicals

The only new price change to report in this market was a fractional reduction of imported crude naphthalene. The increases of coaltar and creosote became effective the week beginning Feburary 15, as announced earlier in the year.

Market conditions were quite the same as they had been during previous weeks. There was a good demand for coaltar light oils. Benzol and xylol were said to be in an excellently balanced market. Demand was good enough to take the material off producers hands just about as soon as it was produced. Combined requirements of the government and industry have kept toluol in short supply.

The tar bases have been moving at better rates than the tar acids. Producers said that the tar bases were not in the extremely tight position that they were in last year. But demand for most of them was good enough to keep the markets fairly well balanced. The primary exception was 2-degree pyridin. This material has long been an item of short supply due to the fact that there are a variety of end uses for it and production is not adequate to take care of all outlets.

The tar acids continued to show a static market. Producers stated that they were selling some material, but they felt the market should be a lot better. Natural phenol was reported to be showing some slight signs of improvement, but the cresols and cresylic acid have not shown much tendency towards expanding demand. Naphthalene has not begun to move at an improved pace. Domestic producers were still moving the crude material slowly. However, importers had difficulty in selling crude hot-pressed material without continually cutting prices. Even then, activity was slow.

The American Iron and Steel Institute announced that the operating rate for the week ending February 14 was scheduled to be 98.7 percent of theoretical capacity. This was equivalent to 2,226,000 tons of steel ingots and castinsg, compared with actual output of 2,202,000 tons the previous week, 2,238,000 tons one month ago, and 2,080,000 tons one year ago.

Price Trends

Advanced

Coaltar, resale, crude, tanks, 1.4c. per gal.
refined, tanks, 1½c. per gal.
Creosote, coaltar, crude, tanks, 2c. per gal.
solut., 80%, tanks, 1.88c. per gal.
refined, tanks, 2.7c. per gal.

Reduced

Naphthalene, crude, imp., 1/10c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
113.24	113.23	113.47	113.88

(*For Current Prices see page* 9)

Basic Products

Benzol—Demand for this light oil has been sustained at a very good level. Producers were moving all of their output right from production. It was said that most consumers were able to get all of the material they needed. None of the consumers were in dire need of benzol, but there was no real excess of coaltar material.

November production figures from the Tariff Commission indicated that total output that month was 20,668,003 gallons, for all grades excluding motor benzol. In comparison, October production of the same grades was 24,174,582 gallons.

A breakdown of the figures showed that cokeoven operators produced 14,824,304 gallons of the November figure, while they had put out 15,061,913 gallons of the October total. Tar distillers accounted for 3,207,474 gallons of the November output, and 4,901,038 gallons in October. November production by petroleum operators amounted to 2,636,225 gallons, as against 4,211,631 gallons produced in October.

In addition, cokeoven operators put out 194,886 gallons of motor benzol in November, compared with 187,339 gallons in October. Figures for tar distillation and petroleum produced motor benzol were not available.

Coaltar—Prices of resale material were advanced at the beginning of this week, as announced previously by producers. Increases in schedules approximated 10 percent of previous levels. The current range of quotations for crude material on resale were between 27.5c. and 30.25c. per gallon in carlots, 28.5c. and 31.35c. per gallon in less than carlots, and 15.4c. to 16.5c. per gallon in tankcar quantities.

Refined resale material was quoted from 16.5c. to 17.60c. per gallon in tankcars, 28.5c. to 31.35c. per gallon in carlots, 29.5c. to 32.45c. per gallon in less than carlots.

The prices of resale coaltar listed above do not represent prices of the material sold on a producer level. These quotations represent producer-to-consumer sales.

Creosote—Producers reported that this material continued to move along at the same levels. One source said that demand was fairly good. Supplies were adequate for current requirements of consumers.

Producer quotations of contract and spot prices came up approximately 10 percent effective at the beginning of this week. Suppliers announced the increases allowed under amendment 14 to S.R. 13 one month ago, but waited the usual thirty day period to advance the schedules; with one exception, one producer advanced spot prices at the time of the announcement.

Current quotations of the crude material were at 22c. per gallon in tankcars. The 80 percent material became 20.68c. per gallon in tankcars. Quotations of refined were at 29.7c. per gallon in tankcars, 38.5c. per gallon in carlots of drums, and 45.1c. per gallon in less than carlots.

The combined creosote production of tar distillers and cokeoven operators in October was 13,025,993 gallons, as against 12,538,052 gallons produced in September, according to the Tariff Commission.

Tar distillers accounted for 8,284,826 gallons of the output in October, while cokeoven operators produced 4,741,167 gallons of the total. In comparison, tar distillation production in September was 8,049,028 gallons, and cokecven production was 4,489,024 gallons.

Cresols—These tar acids have continued to move along at the same modest rates. Producers said that there was no particular change in the levels of buying. Some sources looked forward to an expansion in demand levels during the rest of this quarter.

Total production of metaparacresol from all sources was 903,114 pounds in October, compared with September output of 627,676 pounds, information from the Tariff Commission indicates. Total production of ortho-meta-para mixed isomers was 754,076 pounds in October, while it had been 846,601 pounds in September.

Cresylic Acid—There were no particular changes in the market for this material. Producers said that they were moving this tar acid along at a fairly good rate but the volume was not as much as had been anticipated by earlier estimates. It was felt that some increase in demand should start to appear soon.

Imported ADF acid was in relatively the same position as it had been. There has been a moderate amount of buying of standard ADF cresylic. Importers said that the demand seems to be consistent, although not excessively large. Prices were quite stable, both here and at sources of supply. These factors added up to a "market in good condition," it was said.

Total production statistics, including coaltar and petroleum derived material, indicate that 3,587,652 pounds of refined cresylic acid were produced in October, as compared with 3,719,668 pounds in September, according to the Tariff Commission.

Naphthalene—The market for this material has continued at the same level of activity during the past several weeks. Producers said that they have not noticed any significant signs of an increase in demand levels for naphthalene. Production of phthalic anhydride and betanaphthol were at relatively good levels. Thus, the market for naphthalene, which is the raw material for these two intermediates, was expected to at least keep going at the same pace.

Imported 78-degree material continued

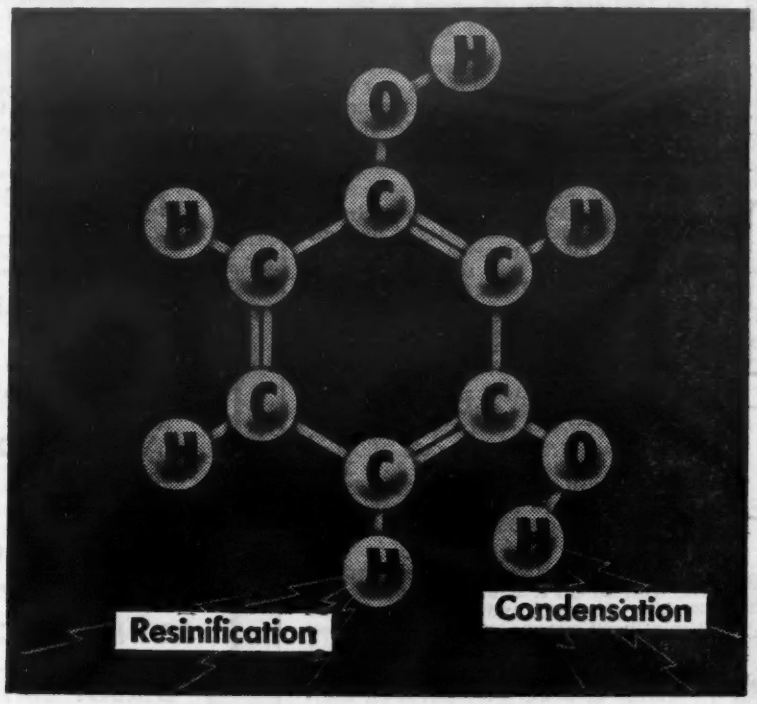
Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending February 14, was as follows:—

Ammonia liquid, NH_3	lbs.	1,040,309
Ammonium sulphate	lbs.	37,599,747
Benzol	gals.	3,596,498
Coaltar	gals.	16,496,332
Creosote oil	gals.	921,417
Naphthalene, crude	lbs.	2,541,327
Pyridin, refined	lbs.	26,751
Toluol	gals.	707,410
Xylol	gals.	188,742

For Late Market Developments, See Page 4

REACTIVE RESORCINOL



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to show price weakness last week. Current quotations were 1/10c. lower than the previous week. Importers said that the market price for 78-degree hot-pressed material was at 3.65c. per pound. It was added that ample quantities of the material were available at the sources of supply up into the second quarter of the year. A source stated, that European suppliers don't want to make commitments beyond that time because the market conditions could conceivably change between now and then.

The November production figures from the Tariff Commission indicated that combined production of tar distillers and cokeoven operators totaled 30,947,682 pounds in that month, compared with October output of 8,703,210 pounds of crude naphthalene.

Tar distillers produced 20,023,699 pounds of the November total, and 17,730,766 pounds of the October figure. Cokeoven operators accounted for 10,923,983 pounds of crude in November, and 10,972,444 pounds in October.

Tar distillers also produced 5,258,552 pounds of refined 79-degree material in November, as against 6,589,504 pounds in October.

Phenol—Prices have held to their previously established levels. Suppliers were moving phenol in approximately the same volumes as they had during the first weeks of the year. Some sources reported that they were moving natural phenol a little faster than they were selling the synthetic material.

Pyridin—There has not been any real change in the supply position of this market. The volume of overall demand was in excess of production capacities. Even though some particular outlets for tar bases may have seen some softening, other uses were constantly ready to pick up any slack left by lessened demand from another area. Refined 2-degree pyridin was especially in demand among the tar bases. One of the attractive features about refined pyridin was that it is more plentiful than the picolines, lutidins, or collidins; that is, production of 2-degree material was greater than output of the others.

Toluol—Producers have been unable to take care of the entire call for this aromatic material. Government requirements of toluol for aviation gasoline and the manufacture of T.N.T. have been enough to keep the market going for many months. In addition, demand from solvent uses of toluol has also been quite good. Producers felt that industrial finishes and government needs would be enough to keep this market in short supply for quite a while.

Total toluol output in October was 6,199,223 gallons, as against 6,439,491 gallons in September, according to figures received from the Tariff Commission.

Cokeoven operators produced 2,928,914 gallons of the total in October, and 2,782,676 gallons in September. All other producers, including tar distillers and petroleum operators, produced 3,270,309 gallons in October, and 3,656,815 gallons in September.

Xylol—An excellent demand for coaltar material has kept this light oil in a well balanced supply position. Producers were moving their output along as fast as it was being made. There was no critical shortage of xylol. Consumers were able to get enough material for their regular requirements. Prices have held to their old levels.

Total output of crude xylol came to 6,737,028 gallons in November, according to the Tariff Commission. In comparison, October production was 7,042,914 gallons.

Intermediates

Isonicotinic Acid—Producers said that demand for this material dropped off when the isoniazid market softened up. There have been no further price changes since the earlier announcement of a $2 reduction. Current quotations continued to range between $8 and $10 per pound in 100-lb. fiber drums.

It was felt that the market for isoniazid was not dead, but merely dormant. The big play the drug got after its announcement led to greater expectations than the market could support. The general consensus was that isoniazid will develop a market based upon its own merit. When it does, the hydrazide will bring back the demand for isonicotinic acid.

Phthalic Anhydride—Producers reported that there was no significant change in the market for phthalic. Alkyd resins and plasticizers have kept demand levels for this anhydride up to a relatively good level. Most producers said that their phthalic production levels have been good, and consumer requirements were taking care of most of the output quickly. There were no inventory burdens upon producers' facilities. Prices have remained at their previously established levels.

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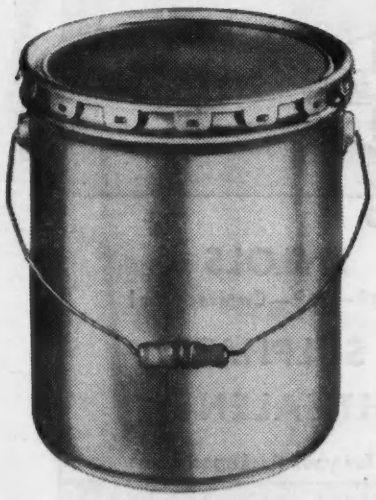
Above: Arrow points to air vent on self-venting spout. As container is tilted, air rushes in permitting smooth pouring.



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Obituaries

Dr. Wilder D. Bancroft

Dr. Wilder D. Bancroft, former president of the American Chemical Society and a researcher into the application of colloid chemistry to the human body, died February 7 in Ithaca, N. Y. He was eighty-five years old. Dr. Bancroft had been professor of chemistry at Cornell University from 1903 until his retirement in 1937.

Dr. Bancroft was also known for his research in plant and animal pigments. He was credited with several important discoveries about anthrocyanins and carotenes. He came into public prominence in 1923 when he caused rain to fall in Dayton, Ohio, by sprinkling cloud banks with sand that had been charged with 10,000 volts of electricity.

Dr. Gregory P. Baxter, former chairman of the department of chemistry at Harvard University, died February 10 in Cambridge, Mass. He was seventy-six years old. Dr. Baxter did gas warfare research during World War I and was consulting chemist for the War Department. During World War II he was in charge of various contracts for chemical investigation.

Clifford L. Harrison, a sales representative for Polak & Schwarz, Inc., New York, died February 4 in Ridgewood, N. J. He was fifty-two years old. Mr. Harrison covered the metropolitan New York district as well as New York state, Pennsylvania, Delaware and Washington, D. C. He had previously been with W. J. Bush & Co.

Robert R. Rakestraw, vice-president of the Western Oil & Refining Company, the Burklyn Company and the Trans-Marine Navigation Company, all of Los Angeles, died February 11 in that city. He was seventy-nine years old.

Murray C. Sells, independent oil operator in Gladewater, Tex., died there February 8. He was seventy years old. He was president of Sells Petroleum, Inc.

Thomas Twyford, sr., formerly an accountant for the Esso Standard Oil Company in Bayonne, N. J., died February 8 in Elizabeth, N. J. He was sixty-five years old.

Copper Products Export Filing Schedule Removed

The time schedule for filing first quarter 1953 applications to export several copper commodities as well as corrugated aluminum sheets has been removed and applications may now be filed at any time, it was announced on February 12 by the Office of International Trade.

The action follows the establishment of an open-end quota for these copper commodities beginning with the first quarter of 1953. Under an open end quota, no quantitative limit on exports is set, but exports are controlled to protect domestic supply and the national security. The first quarter quota for corrugated aluminum sheet is 4,000,000 pounds.

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Textile and Leather Chemicals

Consumers continued to limit demand for textile and leather chemicals to immediate delivery last week and were not inclined to purchase ahead. Prices for the entire list were unchanged and the undertone of the market held on steady basis. Bichromates and soda hydrosulphite moved in good volume against orders, while new business was restricted to actual needs.

Demand for sizing materials continued for moderate quantities for prompt delivery. Several potato starch mills in Maine have reopened, but the production was still limited. Prospects of improvement in the output however, are bright due to the lower cost of potatoes, and increased supplies of culls and off grade potatoes available for grinding. Carlots of domestic starch f.o.b. Maine mills were quoted at about the same cost of imported starch exdock, New York. Steady demand was noted for tapioca flour for spot delivery. Available stocks were scarce and sellers continued to favor regular customers. Corn dextrin and starch were in fair request for immediate needs. Prices were well held despite the sharp break in the corn futures market. Rice starch and sago flour were firm at the recent advance, though trading was limited to small lots.

Tanners interest in replacements of tanning materials was restricted to moderate lots for prompt shipment. Primary markets, however, were maintained at prevailing quotations. The firmest foreign items were cutch, quebracho extract and wattle bark and extract.

Raw silk consumption and imports continued steady in January, according to the American Silk Council. Deliveries to mills totaled 4,146 bales compared with 4,771 bales in December and 4,020 bales in January, 1952. Imports in January totaled 4,609 bales against 4,605 bales in December and 4,932 bales in January, 1952. End-of-month stocks rose slightly to 6,171 bales in January compared with 5,708 bales in December and 4,271 bales, January last year.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
103.09	103.09	102.12	97.49

(For Current Prices see page 9)

Chemicals

Acetic Anhydride—Quiet conditions prevailed in this market. Consumers confined demand to withdrawal against former orders. Production of acetic anhydride was indicated by the Census Bureau at 69,515,230 pounds in November, compared with 80,828,605 pounds in October and 71,797,830 pounds during November 1951. New business was slow. Prices were maintained at former levels.

Bichromates—This market held steady. Demand for spot delivery was slow while deliveries against contracts continued in good volume. Quotations for all grades were well held at current levels.

Sodium Acetate—Business was confined to small lots for actual needs. Prices were without change and steady.

Sodium Hydrosulphite — Deliveries against orders were in fair request while new business was spotty. Prices were without change.

Sulphonated Oils—Easy tone of tallow market was reflected in sulphonated grades. Other varieties were in limited demand and unchanged.

Sizing Materials

Blood Albumin—Consumer inquiry for later delivery improved, while business was still restricted to prompt needs. Albumin was unchanged and steady at 67c. per pound, for drum lots, while lesser quantities ranged up to 80c. per pound, depending upon quantity.

Corn Dextrin—Moderate demand was noted for immediate delivery. Prices were maintained for all grades. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79 and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Consuming demand was still restricted to actual requirements. Quotations were without change. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, New York, and powder, $7.26, same basis. Less carlots were 15c. higher. The visible corn supply declined 160,000 bushels to 45,159,000 bushels for the week ended February 6, against 55,420,000 bushels for the corresponding week last year, it was reported by the Chicago Board of Trade.

Egg Albumen—Consumers continued to take light supplies for actual needs. Market remained steady. Flake was held at $2.56 to $2.58 per pound, as to quantity. Technical was unchanged and well held at $1 to $1.08 per pound, according to quantity and seller.

Egg Yolk—This market remained firm, with supplies scarce due to light egg breakage. Stocks on spot were maintained at $1.06 to $1.08 per pound, as to quantity. Demand was fairly active, with offerings light.

Potato Starch—Buying interest was restricted to actual needs. Shipments from Denmark and Holland were maintained at 8.60c. per pound, carlots, exdock. Supplies on spot ranged from 9½c. to 10¼c. per pound, depending upon quantity. Production in Maine was still limited and a few cars were available for prompt shipment at 8½c. per pound, f.o.b. mills. Idaho starch was nominal at 8½c. per pound, carlots, f.o.b. mills, with western consumers absorbing the output.

Rice Starch—Small lots were in fair request for immediate needs. Market was steady at 16c. to 17c. per pound, depending upon quantity, on the spot.

Sago Flour—Trading was light, chiefly for small lots for actual needs. Raw was maintained at 7¾c. to 8c. per pound, ex warehouse, according to quantity, and refined at 9¼c. to 9½c. per pound, same basis. Replacements were held at 7¼c. per pound, carlots, exdock for prompt shipment.

Tapioca Flour — Active demand was noted for stocks on spot, but business was restricted by limited supplies. Sellers continued to favor regular customers. Prices were firm and ranged from 14½c. to 17c. per pound, depending upon buyer and seller. Java for shipment was inactive and unchanged. AAA was quoted at 9c. per pound, carlots, exdock; AA, 8½c. and A, 8¼c. same basis.

Tanning Materials

Chestnut Extract—Tanners continued to absorb moderate quantities for immediate delivery. Market was firm at unchanged quotations. Extract 25 percent tannin was quoted at 4¼c. per pound, tankcars, f.o.b. works and 5.1c. per pound barrels, carlots, same basis.

Cutch—Market was unchanged and steady at 8¼c. per pound, exdock, plus duty for prompt shipment.

Mangrove Bark—Buying interest was restricted to occasional lots for immediate shipment. Prices were unchanged and well held. Colombian bark held at $60 per ton, exdock; Ecuadorian at $57.50 per ton, and African at $79 to $80 per ton, same basis.

Myrobalans — Business was reported light. Market was unchanged and steady. JI's were held at $45 per ton, exdock; assorted at $48 per ton, and crushed, $65 to $66 per ton, same basis. Indian extract was quoted at 7c. per pound, exdock, plus duty.

Quebracho Extract—Buying interest was fairly active for replacement, but business was limited to actual requirements. Primary market remained steady at prevailing quotations. Solid ordinary was quoted at 11 31/64c. per pound, carlots, exdock, and clarified, 12 3/16c. same basis, plus duty.

Spruce Extract—Shipments of Swedish powdered extract were offered at 4c. per pound, exdock, plus duty. Demand for domestic extract was light and spotty.

Sumac Leaf—Offers for shipment were recently advanced to $120 per ton, exdock. Light sales took place at this level.

Valonia—Trading was reported slow. Supplies at producing centers were offered at current prices. Beards were quoted at $85 per ton, exdock and cups at $64 per ton, same basis. Extract was held at 9½c. per pound, exdock, plus duty.

Wattle—While business was confined to actual requirements, the market remained steady. Shipments of all grades were maintained at current levels. Fair average was quoted at $104 per ton, exdock and merchantable, $100 per ton, same basis. South African extract was unchanged at 11⅛c. per pound and East African, 10⅞c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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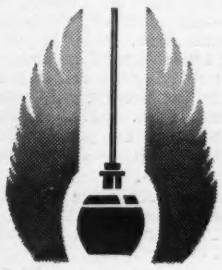

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oxide was reduced ¼ cent per week reflecting a similar de- price of zinc metal the pre- k. Ethyl and methyl acrylate ions were announced last week nufacturer. The former item d 6 cents per pound and the nts, across the board.

ere rather quiet in this market The midweek holiday, although niversally observed, served to business week. With the ex- he previously mentioned price chemical quotations remained

Statistics on ethyl alcohol for December last year were st week by the Tariff Commis- ; at the year end had been re- ome 6,000,000 gallons from the ear. This was accomplished to t degree by the assiduous cut- f production schedules during reducing inventories rather y substantial increase in con- when compared to 1951. The grain consumed in alcohol man- December, 1952, proved to be indeed in comparison to the ng month in 1951 while molas- e liquors, ethyl sulphate and gas consumption showed a rease.

olvent field, consumption was od, depending both upon the in question and producer quer- e was reported by virtually all to be in good demand. The ustry has leveled off somewhat uction but was still going at a The amount of acetone con- this industry has always been e and the state of the industry a handy barometer indicating of consumption of acetone. of acetone include explosives e and as solvent use in organic nanufacture.

hyl and butyl acetates were all pply and demand has improved st quarter of 1952. There were that consumption of lacquers pped perhaps as high as fifteen the coming year. There is suf- duction capacity to handle any increase in solvent demand, it he alcohol were all in adequate yl, butyl, propyl, and isopropyl ng steady and prices were gen- .

ehyde was in strong demand. facture of urea formaldehyde the plywood industry was re- mated to be over seventy mil- s annually.

—Demand for this solvent was t strong levels. Supplies were tely in balance and prices con- hanged.

on of acetone during November, egated 46,919,740 pounds com- 46,965,497 pounds according to Commission.

—This market has been rather cent weeks. The last noteworthy was a few weeks ago when the acted to buy 15,000,000 gallons for use in its styrene producing e newly activated synthetic rub- . To date, no official notice had as to at what quotations the accepted.

ile demand for ethyl alcohol to be holding up well. It was cular but certainly was an im- over the last quarter of 1952. activity has been sustained at ume and it was expected to con- rently, the spot price on pure hol was 55c. per gallon with cer holding to 40c. All contract or the first quarter has been at ver, as far as could be learned. ion figures for the month of 1952, were released last week. lt of reduced production levels y alcohol producers during 1952, he end of December were some odd gallons below those at the cember in 1951. As a result of ver from 1951 and the rather and during most of last year were forced to cut back produc- er to reduce swollen inventories. ig year looks like a good one as ohol consumption is concerned. cted to exceed that during 1952 what extent could not be de- with any great accuracy. It was

Price Trends

Advanced

None

Reduced

Ethyl acrylate, 6c. per lb.
Methyl acrylate, 7c. per lb.
Zinc oxide, USP, ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
91.28	91.38	91.74	100.00

(*For Current Prices see page 9*)

thought likely that future purchases by the RFC might be in line, however. The 15,000,000 gallons just recently purchased was a welcome boost to the industry, it was said.

There was an interesting trend noted in the sizable shift in materials used in the production of alcohol revealed in the most recent statistical release on ethyl alcohol by the Bureau of Internal Revenue. As compared to December, 1951, materials used in alcohol production in December, 1952, showed a sizable increase in the consumption of molasses, ethyl sulphate, sulphite liquors and ethylene gas whereas the amount of grain used was piddling compared to that in 1951.

The Alcohol and Tobacco Tax Division of the Bureau of Internal Revenue, Treasury Department, on February 9, released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of December, 1952, in comparison with December, 1951.

Production

	Gallons 1952	1951
†Ethyl	42,181,654	39,825,467
*Completely denatured	87,992	46,054
*Specially denatured	23,328,766	22,412,242

Withdrawals

†Ethyl, tax paid	1,448,109	2,398,654
tax free	40,994,944	52,921,353
*Completely denatured	73,917	40,948
Specially denatured	23,591,449	21,915,871

Stocks

†Ethyl	83,245,376	89,360,601
*Completely denatured	39,596	44,687
*Specially denatured	8,245,426	8,295,627

*Wine gallons. †Proof gallons.

According to the Alcohol and Tobacco Tax division, materials used in industrial alcohol plants in December, 1952, and December, 1951, were as follows:—

	Pounds 1952	1951
Corn and corn products	165,236	23,620,290
Rye and rye products	.....	.....
Malt and malt products	.....	6,220,911
Wheat and wheat products	.....	4,872,220
Sorghum grain and sorghum grain products	.....	60,860,212
Other grain	.....	315,840
Total grain	165,236	95,889,473
Ethylene gas	10,887,680	6,961,987
Other materials	136,500	176,798
	Wine gallons 1952	1951
Molasses	18,561,674	12,857,111
Ethyl sulphate	16,610,000	13,902,962
Sulphite liquors	20,424,700	18,830,900
Other materials	10,892,249	7,147,752
†Products used in redistillation	1,535,895	1,541,177

†Proof gallons.

Castor Oil—Arrivals of beans at Philadelphia and New York ports last week amounted to 4,430,250 pounds, as compared with 2,626,350 the previous week, and 1,089,300 during the corresponding week of last year. Imports of castor oil at these ports last week totaled 1,408,000 pounds, as against the 2,482,000 pounds brought in during the previous week, and the 385,200 pounds landed during the corresponding week of 1952.

Total imports of beans so far this year at Philadelphia and New York amounted to 29,085,300 pounds, compared with 29,582,500 pounds during the corresponding period in 1952. Total oil imports at these ports so far this year amounted to 12,418,450 pounds, as against the 14,033,200 pounds brought in during the same period of last year.

Ethyl Acetate — Demand for ethyl acetate was reported to be fair, on the whole. Supplies were ample for current inquiry and prices remained unchanged.

Production of ethyl acetate, on an 85 percent basis, totaled 8,082,467 pounds during November of last year compared to the 7,362,592 pounds turned out during the preceding month, the Tariff Commission reported recently.

Ethyl Acrylate — A recent across-the-board reduction was noted for this item last week. The reduction amounted to 6c. per pound. Current prices were as follows:—Tankcars, 42 cents; drum carload or truckload, 1½ cents per pound higher and less than truckload at 2c. per pound more.

Formaldehyde—Demand for formaldehyde was said to be at good levels. One

For Late Market Developments, See Page 4

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of the major sources of the sustained demand for this aldehyde was the plywood industry, which consumes a considerable amount of urea formaldehyde resins as adhesives. Plywood production was reportedly at very high levels and consumption of adhesive resins was concurrently heavy.

Another important source of heavy formaldehyde consumption is in the production of pentaerythritol. This polyol has been in strong demand and in recent months has enjoyed a sizable price differential advantage over glycerin for use in the protective coatings industry.

Formaldehyde prices have remained stable for a considerable length of time and were quite firm, according to the trade. Production of formaldehyde (37 percent by weight) totaled 95,226,705 pounds during November last year, according to the Tariff Commission. Production in the preceding month aggregated 92,274,127 pounds, it was revealed.

Gelatin—Total production of gelatin in December, 1952, aggregated 3,760,300 pounds compared to the 3,975,031 pounds turned out during the preceding month. December, 1951, production was 3,536,393 pounds.

Classified by type, 2,466,464 pounds of the December, 1952, production were edible grade as well as 497,927 pounds of pharmaceutical material. Comparable figures for November last year were 2,617,092 pounds for the former and 598,394 pounds for the latter grade. Production during December, 1951, included 2,003,160 pounds of edible gelatin, 282,697 pounds technical grade, 463,368 pounds pharmaceutical material and 787,168 pounds photo grade.

Total shipments of gelatin during December, 1952, aggregated 3,619,532 pounds compared to 3,906,555 pounds during November, 1952, and the 3,281,652 pounds in December, 1951. Shipments in December last year included 2,257,001 pounds of edible gelatin and 453,147 pounds in pharmaceutical grade while comparable figures for the preceding month were 2,569,094 pounds and 448,101 pounds. December, 1951, shipments were composed of 1,835,236 pounds edible gelatin, 156,379 pounds technical grade, 225,384 pounds pharmaceutical material and 1,064,653 pounds photo grade.

Gelatin stocks at the end of December, 1952, aggregated 8,857,052 pounds compared to 8,716,284 pounds in November and 11,223,199 pounds at he end of December, 1951.

By type, stocks for December last year included 4,648,136 pounds edible gelatin, 928,339 pounds technical grade, 1,014,628 pounds pharmaceutical quality and 2,265,949 pounds photographic grade. Comparable figures for November stocks were 4,438,673 pounds edible, 903,188 pounds technical grade, 969,848 pounds pharmaceutical gelatin and 2,404,575 pounds photographic grade.

Stocks in December, 1951, included 6,557,338 pounds edible gelatin, 1,193,987 pounds technical grade, 886,034 pounds pharmaceutical gelatin and 2,585,849 pounds photo grade.

Methyl Acrylate—The price of this compound was recently reduced 7c. per pound. Currently the price schedule in effect was as follows: tankcars, 42c., drum carload or truckload, 43½c. with less than truckload price at 44c.

Milk Powder—The market in nonfat dry milk solids was very unsettled. On the east coast heavy offerings at sharply lowered prices failed to attract buyers. Purchases in commercial channels were confined to immediate needs only. CCC purchases were stepped up and had some stabilizing influence. Current prices on roller process ranged from 14c. to 15½c.

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per pound in this market while the spray material was quoted from 15c. to 17c.

Purchases by the USDA of nonfat dry milk solids included 7,476,508 pounds of spray process and 404,774 pounds of roller material. There were no sales by the same agency during this period. Total purchases to date aggregated 83,519,319 pounds of spray material and 883,414 pounds of roller process.

The market in whole milk powder was also weak. Offerings were relatively heavy with demand spotty. Prices ranged from 33 to 38¼c. per pound for the spray process depending upon butterfat content and individual offerings. No prices were reported for the roller process due to the dearth of sales.

Molasses—Feed molasses prices remained unchanged at all points during the week ended February 10, 1953. At New Orleans, the price was mostly 10c. per gallon. Demand in the Gulf area continued at a slow pace as mild weather reduced supplemental feeding.

Quotations on the east coast were 11 cents per gallon at Jacksonville, 10 cents at Clewiston, and 11 cents at Philadelphia, New York, Baltimore and Norfolk. Boston and Albany were ½c. per gallon higher. Demand was good at Jacksonville and Clewiston, slow to moderate at Philadelphia and moderate at Norfolk and Baltimore. Supplies were adequate at all points with the exception of Savannah where stocks were limited.

Supplies of citrus and hydrol molasses were very limited at many terminals. Demand was good to strong at virtually all points. Quotations on citrus molasses ranged from 6.9c. per gallon at Winter Garden where demand was moderate and supplies adequate to 10.2 cents at other points.

Demand for hydrol molasses was good to strong with supplies very limited and exhausted at some points. The current price was 11.7c. per gallon.

Sugar—Production of refined sugar in Pakistan increased to 69,360 long tons in 1952 from 34,524 tons in 1951. The output represented about 34 percent of the country's annual requirements.

The 1952 increase was attributed largely to higher Government-controlled prices for refined sugar. The total installed capacity of sugar mills is about 93,000 tons.

Production of raw cane sugar in Pakistan for the 1951-52 crop was 892,000 tons, or 2.3 percent more than the 872,000 tons produced in the preceding year, but about 147,000 tons less than the production of 1,039,000 tons for the record year of 1949-50. Production of gur from date palms in the 1951-52 crop year was estimated at 116,000 tons as against 114,000 tons in the 1950-51 crop year.

Although prices of refined sugar are relatively high and weather conditions generally favorable, no significant increase in production of raw sugar is expected for the 1952-53 crop year.

A small increase in acreage under sugar cane, however, is forecast by the Ministry of Agriculture, the area for the 1952-53 crop year being 733,000 acres, compared with 728,000 acres for the 1951-52 crop year.

Zinc Oxide—Reflecting the recent downward trend in zinc metal prices, the price of USP zinc oxide was reduced ¼c. per pound last week. The current price schedule in carlots was 17¼c. per pound with less than carlots pegged at 1c. per pound higher.

Riker Labs Announces Executive Appointments

Justin Dart, president of Riker Laboratories, Inc., Los Angeles, a wholly owned subsidiary of the Rexall Drug Company, has announced the following new appointments in the Riker organization:—

Dr. George L. Maison, vice-president and general manager; A. H. Ridges, vice-president in charge of sales; Dr. J. A. Raynolds, vice-president in charge of manufacture; Dr. J. W. Stutzman, director of research and development; Dr. Georg Cronheim, director of new product research, and Dr. Norman W. Karr, director of clinical research.

WHO Name Corrections

The Combined Trade-Mark Bureau has announced that there were three errors in its latest listing of proposed international non-proprietary names (OPD, 2/9/53). The greek letter beta should have appeared three times in the statement of the chemical nature of the following compounds:—Benethamine penicillin (WHO No. 221), propantheline bromide (WHO No. 226) and stilbamidine isethionate (WHO No. 227). The letter beta should appear before the words phenylethlamine, diisopropylaminoethylanthene and hydroxyethanesulphonate, respectively.

Mustard Seeds Tariff Reclassification Weighed

The Bureau of Customs announces that it is considering a revision of its uniform classification of mustard seeds in order to remove certain types of mustard seeds from the classification of spices. Interested parties were invited to express their comments on the proposed change in writing to the Bureau of Customs by March 7.

It has been the practice in the past to include all types of mustard seeds in the classiification of spices and subject to the duties specified in paragraph 781 of the tariff act of 1930. The agency said that it appears probable that certain types, however, are properly classifiable under paragraph 764 as garden or field seeds, not specially provided for, at a rate of duty higher than for spices.

The types of mustard seeds proposed to be dutiable at the higher tariff rate are:—Chinese broadleaf mustard, Chinese smoothleaf mustard, Florida broadleaf mustard, fordhook mustard, fordhook fancy mustard, southern giant curled mustard (both ordinary and long-standing varieties), old fashion mustard, and tendergreen mustard.

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Foundation Labs, Hormone Sales Concern, Organized

Foundation Laboratories, Inc., has been formed to deal with the ethical development and distribution of steroid hormone products manufactured by Syntex, S. A., of Mexico. President of the new concern, whose main executive offices are located at 22 East 40th street, New York, is Ronald Helps.

Ronald Helps

Dr. John R. Mote, who headed the development work on ACTH as medical director of Armour Laboratories, Chicago, has been named medical director of Foundation Laboratories. Dr. Jack Reed, an authority in the field of veterinary research and animal husbandry, will head up the corporation's division of veterinary medicine and animal husbandry.

Foundation Laboratories will augment the distribution and development role for significant Syntex dosage form products previously carried on exclusively in this country by Chemical Specialties Company, New York, for the Syntex bulk line.

Mr. Helps was previously a vice-president of Chemical Specialties and, prior to that, served for eighteen years as a vice-president of Schieffelin & Co., New York. Dr. Mote served as medical director of Smith, Kline & French Laboratories, Philadelphia, before joining Foundation Laboratories. Dr. Reed was previously director of chemical research for Chemical Specialties.

Penicillin Prices Will Not Drop Much in '53: McKeen

Penicillin prices, which dropped about 40 percent at the manufacturer's level in 1952, will not go much lower this year, John E. McKeen, president of Chas. Pfizer & Co., Brooklyn, N. Y., predicted last week. Speaking before a meeting of the New York Security Analysts' Society, Mr. McKeen said that because of a rise in demand for penicillin in recent months his company does "not believe there will be further important price reductions during 1953."

He noted that published figures of penicillin production and sales indicated that last year the industry's sales totaled about $105,000,000 at manufacturers' prices, or about 300,000 billion units of pencillin. Of this market volume, he emphasized, Pfizer produced penicillin accounted for a major share. He added that because of lower production costs at its new Groton, Conn., plant the company expects to earn more on penicillin this year than last.

Turning to terramycin, Mr. McKeen declared, "Our surveys have indicated that terramycin has now assumed a leading position in the wide-range antibiotic market. Its sales every month since its introduction have exceeded sales during the same month in earlier years." In passing, he pointed out that Pfizer introduced fifteen new elaborations of terramycin last year.

Responding to a question from the floor relating to the pricing policy on the antibiotic, Mr. McKeen asserted that his company has no intention of lowering terramycin quotations in the immediate future, although he noted that the historic trend of the drug industry on new products is for lower prices.

Warning that his figures were approximations, the Pfizer president revealed that the company's sales last year amounted to about $107,000,000, with net profit equaling about $2.17 a share, a decline of some 10 percent from the 1951 net of $2.41 a share. About 20 percent of last year's net profits came from tax carrybacks and refunds. The outlook this year is good, he said, the Pfizer management looking for operations in 1953 to be about on a par with those of last year. Profits, he added, are also expected to nearly match 1952.

CSC Plasma Extender Approved for Distribution

"Expandex" (dextran), the new plasma volume expander manufactured by Commercial Solvents Corporation, New York, has been approved for commercial distribution, the company has announced. As an outgrowth of this development, Commercial Solvents said, Max L. Miller, formerly with E. R. Squibb & Sons, New York, has joined CSC pharmaceuticals as sales manager.

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Forest Products Group

—Continued from page 5

Design Data for Solid Fiberboard Shipping Containers," by K. Q. Kellicut, engineer, and E. F. Landt, technologist, with the Forest Products Laboratory in Madison; "Wood Pallets," by Walter E. Morgan, Morgan Lumber Sales Company, Columbus, Ohio; "Research in the Packaging Field," by John M. Ladd, manager of the designing and testing laboratory of the General Box Company, Des Plaines, Illinois; "Wood Fiber Felts for Protective Packing," by E. O. Lieberg, manager of the sales engineering section of the Wood Conversion Company, Cloquet, Minn.; "Craveneer as Used in the Packaging Field," by A. L. Whiton, sales manager of the Chicago Mill & Lumber Company, Chicago, and "Ply-Veneer Shipping Containers," by J. R. Roberts and A. M. Fisken, of the development department of the Weyerhaeuser Timber Company, Longview, Wash.

Wood Finishing Session Outlined

At the Wood Finishing session these papers will be offered:—"Solubility, Water Absorption and Swelling of Free Films of House Paint," by Dr. F. L. Browne, of the Forest Products Laboratory in Madison; "Preparation of Wood for Finishing," by O. B. Gordon, of the Behr-Manning Corporation, Chicago; "Factors Affecting the Integrity of a Furniture Finish," by P. O. Blackmore, director of the basic development laboratories of the Interchemical Corporation, New York; "Filler—The Theory and Technic of Application," by R. I. Quigley, vice-president of the Lilly Company, High Point, North Carolina, and "Comparison of European and American Finishes," by E. Siguard Johnson, professor at North Carolina State College.

The general session will feature the following papers:—"Wood Preservation by Double Diffusion," by Roy H. Baechler, of the division of derived products of the Forest Products Laboratory at Madison; "Recovery of Solvent From Impregnated Wood," by M. S. Hudson, of the Taylor-Colquitt Company, Spartanburg, S. C., and "The Air Seasoning of California Redwood," by Victor H. Clausen, of the California Redwood Association.

Foreign Trade Meeting Set

The National Foreign Trade Council has announced that its fortieth annual convention will be held at the Waldorf-Astoria hotel, New York, November 16 through 18.

Soap, Detergent Sales Showed Gain in 1952

Soap and synthetic detergent sales for the year 1952 were up 2½ percent over 1951, according to the quarterly sales census conducted by the Association of American Soap & Glycerine Producers. Ninety-three manufacturers representing a very substantial portion of the industry's volume reported soap and synthetic detergent sales for 1952 totaling 3,400,000,000 pounds compared with 3,310,000,000 pounds sold in 1951. Sales for the last three months of 1952 were 6½ percent above the last quarter of 1951 but were 6 percent under sales for the third quarter of 1952.

Reported sales of soaps only, solid and liquid, for the year amounting to 1,870,000,000 pounds were 9.1 percent under sales in 1951 of 2,060,000,000 pounds. Total synthetic detergent sales of 1,530,000,000 pounds reported for 1952 were 21.9 percent above 1951 sales of 1,260,000,000 pounds.

Sales of solid soaps only for 1952 were 1,820,000,000 pounds compared to 2,020,000,000 pounds in 1951 off 9.5 percent. Sales of solid synthetic detergents for 1952 were 1,480,000,000 compared to 1,220,000,000 pounds in 1951, an increase of 21.7 percent. Liquid soap sold in 1952 amounted to 45,900,000 pounds compared to 42,100,000 pounds in 1951, up 8.9 percent. Liquid synthetic detergents reported sold in 1952 totaled 49,600,000 pounds compared to 38,200,000 in 1951, an increase of 29.7 percent.

Dollar sales of all soaps and synthetic detergents for 1952 compared with 1951 declined 4.4 percent. Dollar sales of soaps only, solids and liquid, were off 18.5 percent. Dollar sales of synthetic detergents were up 16.8 percent.

Distillation Products Names Baxter Asst. Research Head

The appointment of Dr. James G. Baxter as assistant director of research at the Eastman Kodak Company's Distillation Products Industries division, Rochester, N. Y., has been announced. Dr. Baxter joined Kodak in 1934 as a research chemist in the Kodak Park department that later became DPI. Five years later he was appointed head of the organic research department at DPI. In his work there he has been concerned with research on vitamin E and synthetic vitamin A.

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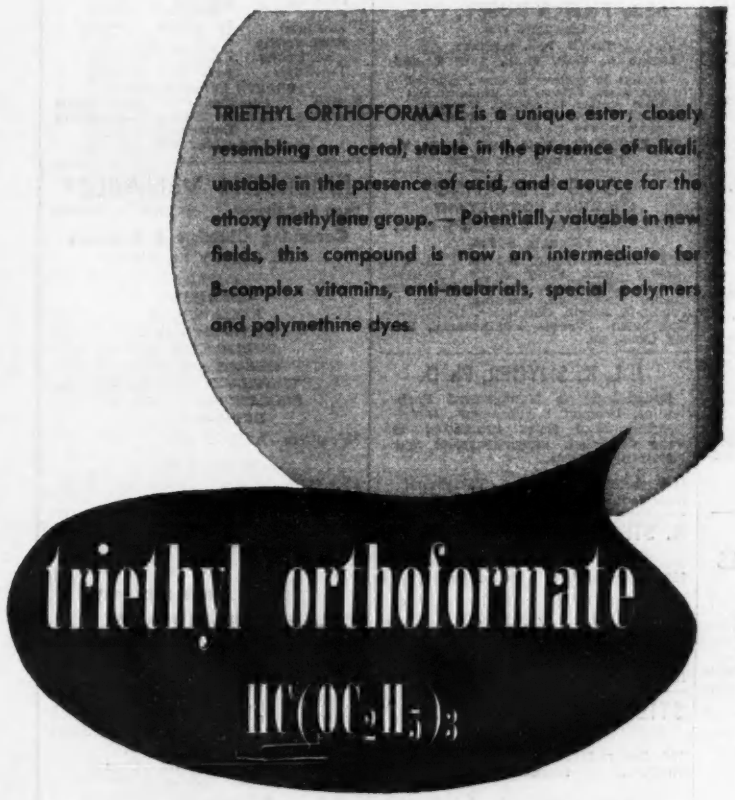
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$HC(OC_2H_5)_3 + RR'C=O \rightarrow RR'C(OC_2H_5)_2 + HCOOC_2H_5$
Carbonyl Compound — Acetal or Ketal

$HC(OC_2H_5)_3 + CH_2(CN)_2 \rightarrow C_2H_5OCH=C(CN)_2 + HCOOC_2H_5$
Malononitrile — Ethoxymethylene Malononitrile

$HC(OC_2H_5)_3 + CH_3CBrHCOOR + H_2 \rightarrow (C_2H_5O)_2CHCH(CH_3)COOR + C_2H_5OH + HBr$
Alpha-Brom-Propionic Ester — Acetal of Formyl-Propionic Ester

$HC(OC_2H_5)_3 + C_6H_5COCH_3 \rightarrow C_6H_5COC_3H_7 + HCOOC_2H_5 + C_2H_5OH$
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2,761 bgs, Spencer Kellogg, Dar es Salaam
4,453 bgs, Baker Castor Oil Co, Salvador
14,583 bgs, Chase National Bank, Jaragua
992 bgs, Chase National Bank, Lisbon
2,462 bgs, Baker Castor Oil Co, Rotterdam
906 bgs, Chase National Bank, Bahia
1,784 bgs, Djibouti
626 bgs, Bahia
OIL—200 tons, Hardesty Chemical Co, Nagoya
504 tons, C Tennant Sons & Co, Buenos Aires
CHILLIES—59 bgs, Public National Bank, Port Sudan
30 bgs, M S Cowen, Kobe
226 bgs, Mombasa
115 bgs, Port Sudan
CHLORAL HYDRATE—9 cs, Lo Curto & Funk, Glasgow
CHOLIC ACID—36 dms, Wilson & Co, Buenos Aires
CINCHONA PRODUCTS—14 cs, Guaranty Trust Co, Rotterdam
CLOVE OIL—7 dms, Guaranty Trust Co, London
SPICE—170 bls, Kellys America Ltd, Zanzibar
240 bls, W J Bush & Co, Zanzibar
80 bls, Fuerst Bros, Zanzibar
250 bls, A G Dunn, Zanzibar
200 bls, C T Wilson, Zanzibar
COALTAR DYES—5 bgs, C A Haynes, Rotterdam
8 cks, General Dyestuffs Corp, Hamburg
52 cks, Wilson Export & Import Corp, Rotterdam
8 cks, Kaufman & Vinson, Rotterdam
COCONUT OIL—727 tons, Cebu
CODLIVER OIL—279 dms, Chas L Huisking & Co, Hamburg
COLUMBITE ORE—5 bgs, Watson Geach, Capetown
CORIANDER OIL—1 dm, S B Penick & Co, Rijeka
SEED—662 bgs, H S Cramer, Casablanca
330 bgs, Fuerst Bros, Casablanca
200 bgs, Transit Export & Import Co, Casablanca
CRESYLIC ACID—372 dms, H A Gogarty, Liverpool
100 dms, Glasgow
CUBE ROOT, POWDER—37 bgs, Callao
DAMMAR GUM—100 cs, O G Innes Corp, Tandjong Priok
137 bgs, O G Innes Corp, Tandjong Priok
230 bgs, Internatio Rotterdam, Singapore
320 bgs, S Winterbourne & Co, Singapore
DIHYDROACETIC ACID—9 cks, Dow Chemical Co, Rotterdam
DESOXYRIBONUCLEINIC ACID—1 cs, Glasgow
DEXTRIN—400 bgs, Manhattan Paste & Glue Co, Rotterdam
350 bgs, Morninesiar Nicol, Rotterdam
200 bgs, Bank of Manhattan Co, Rotterdam
DIVI-DIVI—468 bgs, Curacao Trading Co, Puerto Plata
667 bgs, H H Pike & Co, Puerto Plata
DOGWOOD BARK—100 bls, Lydia E. Pinkham Medicine Co, Kingston
ERGOT—30 cs, Judson Sheldon, Leixoes
6 cs, Lo Curto & Funk, Leixoes
EUCALYPTUS OIL—31 dms, Commercial Banking Co of Sydney, Melbourne
FENNEL SEED — 53 bgs, Kellys America Ltd, Rijeka
FENUGREEK SEED—440 bgs, Toledano & Pinto, Casablanca
250 bgs, S B Penick & Co, Casablanca
FISHLIVER OIL—2 dms, H A Gogarty, Yokohama
5 dms, Vitamins Inc, Yokohama
FISHMEAL—1,000 bgs, Casablanca
FLOUNDERLIVER OIL—3 dms, Albumina Supply Co, Yokohama
FUEL OIL—205,726 bbls, Asiatic Petroleum Corp, Curacao
99,914 bbls, Gulf Oil Corp, Curacao
55,877 bbls, Hess Inc., Punta Cardon
115,000 bbls, Esso Standard Oil Co, Aruba
79,753 bbls, Colonial Oil Co, Curacao
105,413 bbls, Royal Petroleum Corp, Curacao
115,489 bbls, Buckley Bros, Punta Cardon
94,000 bbls, Esso Export Corp, Aruba
100,062 bbls, Paragon Oil Co, Curacao
55,223 bbls, Metropolitan Petroleum Corp, Curacao
FULLERS EARTH—400 bgs, L A Salomon, London
40 bgs, J S Inskip, London
GALL OX—2 dms, Van Gelder Fanto Corp, Rotterdam
2 dms, Armour & Co, Dublin
49 dms, International Packers Ltd, Dublin
GELATIN—100 bgs, T M Duche & Son, Rotterdam
80 bgs, E S & A Bank, Melbourne
40 bgs, B Young, London
40 bgs, Rotterdam
GENTIAN ROOT—125 bgs, Superintendence Co, Rijeka
GINGER ROOT—121 bgs, Terroglobus Trading Co, Kingston
15 bgs, Hoffman Beverage Co, Kingston
GLUE—500 bgs, Jung Forwarding Co, London
BONE—1,036 bgs, Transatlantic Animal By-Products Corp, Rotterdam
150 bgs, C B Hewitt, Rotterdam
GLYCERIN—30 dms, C J Schellings & Co, Kingston
GRAPHITE—417 bgs, Asbury Graphite Mills, Bergen
HERRINGMEAL—2,700 bgs, Wilbur Ellis Co, Bergen
IRON OXIDE, RED—1,305 bgs, C J Osborn, Malaga
435 bgs, C B Chrystal, Malaga
IRON-AMMONIUM CITRATE—10 cins, Talve Trading Co, Rio de Janeiro
JUNIPER BERRIES—389 bgs, Meer Corp, Rijeka
KOLA NUTS—200 bgs, D Steengrafe, Kingston
LEATHERMEAL—2,148 bgs, H J Baker & Bro, Hull
LEMON OIL—1 hf cs, George Lueders & Co, Messina
20 hf cs, Messina
100 qu cs, Messina
LEMONGRASS OIL—6 dms, Volkart Bros, Cochin
10 dms, Lo Curto & Funk, Puerto Barrios
LEMON PEEL—22 bbls, Messina
20 cks, Messina
LIME OIL—2 dms, Citrus & Allied Essential Oil Co, Puerto Plata
LOCUSTBEAN GUM—128 bgs, Bank of N Y & Fifth Ave, Lisbon
63 bgs, Morningstar Nicol, Barcelona
LOGWOOD EXTRACT—200 cks, American Dyewood Co, Kingston
MAGNESIUM CARBONATE—1,200 bgs, Reheis Co, Liverpool
SULPHATE—1,000 bgs, Nevi Trading Corp, Marseille
TRISILICATE—100 cs, Reheis Co, Liverpool
MANGANESE CHLORIDE—20 bbls, Terra Chemicals Inc, Bremen
MANGROVE BARK—700 bgs, Herman Hollander, Mocambique
EXTRACT—1,700 bgs, Saxe Cutch Corp, Sandakan
MARJORAM—200 bgs, W R Grace & Co, Arica
MERCURY-AMMONIUM CHLORIDE—1 cs, Southampton
MILK SUGAR—100 dms, Industrial Chemical & Dyestuff Co, Rotterdam
50 dms, F Samuel & Co, Rotterdam
100 dms, Liverpool
MOLASSES—5,120 tons, Chas Pfizer & Co, Vlaardingen
MUSTARD SEED—100 bgs, Transit Export & Import Co, London
MONOCHLOROACETIC ACID—77 dms, International Selling Corp, Marseille
NAPTHALENE—500 bgs, Interocean Chemical & Minerals Corp, Middlesbrough
NAPHTHOL—2 dms, A Nydegger & Co, Hamburg
8 dms, Gorman Anderson Corp, Rotterdam
NUTMEGS—603 bgs, Dodge & Olcott, Padang
19 bgs, Rotterdam
OLIVE OIL—655 dms, Manufacturers Trust Co, Seville
365 dms ,National City Bank, Seville
85 dms, American Trust Co, Seville
50 dms, Bank of Toronto, Seville
50 dms, Second National Boston, Seville
25 dms, National Shawmut Boston, Seville
488 dms, J H Schroder, Malaga
445 dms, Credit Suisse, Seville
25 dms, L Perrigo, Seville
125 dms, Chemical Bank, Seville
ORANGE OIL—43 cs, Victory Shipping Co, Kingston
20 cs, Citrus & Allied Essential Oil Co, Kingston
3 dms, Citrus & Allied Essential Oil Co, Puerto Plata
ORANGE PEEL—28 bbls, Messina
30 cks, Messina
OURICURY WAX—183 bgs, Societe Generale, Rio de Janeiro
221 bgs, Wm H Muller, Amsterdam
PAPAIN—17 cs, Chas L Huisking & Co, Mombasa
5 cs, Chas L Huisking & Co, Tanganyika
PAPRIKA—200 bgs, M Rotschild, Alicante
100 bgs, A Porazzi, Alicante
100 bgs, B Fischer, Alicante
300 bgs, Intern Expeditors, Alicante
150 bgs, H A Gogarty, Alicante
56 bgs, World Commerce Corp, Valparaiso
138 bgs, Griffith Lab, Rijeka
200 bgs, Meer Corp, Rijeka
675 bgs, J Weinstein, Alicante
200 bgs, Louis Furth, Rotterdam
2,270 bgs, Alicante
250 bgs, Lisbon
PARACRESOL—4 bgs, H A Gogarty, Liverpool
PARATOLUENESULPHONCHLORIDE—5 cs, Liverpool
PATCHOULI LEAVES—225 bgs, L A Champon & Co, Mombasa
OIL—1 dm, Schimmel & Co, Tandjong Priok
PEATMOSS — 500 bbls, Bruce Peatmoss Corp, Bremen
1,000 bls, E J Lane, Bremen
800 bls, Lewis Interu Co, Bremen
400 bls, Premier Peatmoss Corp, Bremen
400 bls, Hahnemoo Mfg & Trading Co, Rotterdam
600 bls, Atkins & Durbrow, Bremen
PENICILLIN—1 cs, American Roland Corp, Lisbon
PEPPER, BLACK—33 bgs, Internatio Rotterdam, Oosthaven
160 bgs, U S & Indonesia Trading Co, Oosthaven
160 bgs, Joensson & Cross, Cochin
240 bgs, Mincing Trading Corp, Oosthaven
35 bgs, Internatio Rotterdam, Singapore
40 bgs, M Golodetz, Cochin
80 bgs, A G Dunn, Cochin
340 bgs, Volkart Bros, Cochin
WHITE—80 bgs, Borneo Sumatra Trading Co, Singapore
PETITGRAIN OIL—5 dms, W L Wilner Co, Buenos Aires
PETROLEUM CRUDE—213,463 bbls, Esso Standard Oil Co, Caripito
140,000 bbls, C Roppis Oil Co, Puerto La Cruz
150,239 bbls, Cities Service Oil Co, Tuxpan

PHTHALIC ANHYDRIDE—1,000 bgs, A W Fenton Co, Genoa
PIMENTO LEAF OIL—2 dms, E McKenzie Corp, Kingston
1 um, George Lueders & Co, Kingston
1 drm, Norda Essential Oil & Chemical Co, Kingston

POLLACKLIVER OIL—50 dms, Albumina Supply Co, Yokohama
250 dms, Consumers Import Co, Yokohama
40 dms, Arista Oil Products Co, Yokohama
30 dms, Lindfors Chemical Co, Yokohama
POPPY SEED—400 bgs, A Gronowitz, Gdynia
400 bgs, Louis Furth, Gdynia
400 bgs, Levy & Levis Co, Gdynia
400 bgs, Becker Mayer Seed Co, Gdynia
100 bgs, Catz American Co, Rotterdam
POTASSIUM SULPHATE—25 bbls, E M Sergeant Pulp & Chemical Co, Rotterdam
POTATO FLOUR—100 bls, Morningstar Nicol, Rotterdam
3 bls, Federal Adhesives Corp, Rotterdam
PYRETHRUM FLOWERS—375 bls, U S Industrial Chemicals, Mombasa
125 bls, S B Penick & Co, Mombasa
375 bls, John Powell & Co, Mombasa
125 bls, McLaughlin Gormley King, Mombasa
125 bls, U S Industrial Chemicals, Dar es Salaam
PYRITES—131 cs, American Metal Co, Leixoes
QUEBRACHO EXTRACT—6,123 bgs, Tanimex Corp, Buenos Aires
2,487 bgs, River Plate Corp, Buenos Aires
1,039 bgs, Buenos Aires
QUICKSILVER—950 flks, Interchange Commercial Co, Cadiz
300 flks, Mercantile Metal & Ore Corp, Rijeka
QUINCE SEED—31 bgs, Meer Corp, Rotterdam
QUININE SULPHATE—5 cs, River Plate Corp, Kobe
RED MERCURY OXIDE—4 cs, Southampton
3 cs, Caldwell & Co, Antwerp
ROSEMARY LEAVES—100 bls, Lisbon
RUTIN—2 dms, Commercial Banking Co of Sydney, Melbourne
SAFFRON FLOWERS—1 cs, Frank Tea & Spice Co, Leixoes
SAGE LEAVES—400 bls, Joensson & Cross, Rijeka
100 bls, Superintendence Co, Split
100 bls, Louis Furth, Split
SAGO FLOUR—282 bgs, National Starch Products, Singapore
268 bgs, W R Grace & Co, Singapore
546 bgs, Stein, Hall & Co, Singapore
SESAME SEED—1,026 bgs, W R Grace & Co, Corinto
250 bgs, Louis Furth, Corinto
SHARKLIVER OIL—95 dms, Consumers Import Co, Yokohama
30 dms, Argo Products Corp, Yokohama
20 dms, Albumina Supply Co, Yokohama
50 dms, H A Gogarty, Yokohama
SHELLAC—50 bgs, F H Paul & Stein Bros, Hamburg
27 dms, F H Paul & Stein Bros, Hamburg
68 cs, F H Paul & Stein Bros, Rotterdam
20 dms, F H Paul & Stein Bros, Rotterdam
SOAP BARK—226 bls, Prentiss Drug & Chemical Co, Talcahuano
278 bls, W R Grace & Co, San Antonio
SODIUM BICARBONATE—899 bgs, Chemical Manufacturing Co, Liverpool
PERBORATE — 276 dms, American Metallic Chemical Corp, Rotterdam
TETRAHYDRATE—400 dms, Chemical Manufacturing Co, Liverpool
SPERM OIL—6,309 tons, Archer-Daniels-Midland Co, Schiedam
TAPIOCA—113 bgs, Internatio Rotterdam, Tandjong Priok
FLOUR—100 bgs, American Key Products, Cochin
560 bgs, Stein, Hall & Co, Cochin
1,025 bgs, Stein, Hall & Co, Singapore
TOLU BALSAM—25 cs, Wm Bernstein, London
TRAGACANTH GUM—56 cs, Meer Corp, Rotterdam
584 bgs, Meer Corp, Rotterdam
62 bgs, Tragacanth Importing Co, Rotterdam
TRICHLOROETHYLENE—7 dms, Ayerst McKenna & Harrison, Liverpool
ULTRAMARINE BLUE — 25 cks, Fezandie & Sperrie, Rotterdam

—Continued on page 69

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A considerable amount of price shifting developed in botanical drugs last week and the changes were divided almost evenly between ups and downs. When higher, the items usually reflected the size of available stocks and the position of prices in the replacement markets. When lower, limitations on demand and a more favorable price position at the origins were of major assistance. The market index dropped 0.35 point to be set at 106.64.

Scarcity of blue cohosh root was acute and any material available at the minimum of spot prices last week was called a bargain by competitors. A strengthening of ipecac at the origin, a development discounted by some—brought whole root to higher spot levels and eliminated any price shading on powered root. Orris root of Florentine description was in very tight supply and was priced rather high abroad. spot quotations reflected this fully. Vrona root was but slightly stronger.

Downward pressure on ergot prices disappeared and spot quotations rose readily. Domestic ergot played a decreasing part in the market and foreign prices were much firmer at moderate increases. American wormseed was in very low supply. So much so that Carrol County, Md., cultivated seed has been offered for further use after distillation has removed the oil.

On a quality basis, dandelion root could be bought for less money. Peru and tolu balsams yielded price position to the pressure of competition. Alexandrian senna having lost strength at the source, spot prices were also down. Papain offered without guarantee of potency was cheaper but tested powder was retained at very steady price position.

Balsams

Peru—A slightly more competitive spot market was noted last week and sales were reported made on the basis of $1.30 per pound, though several suppliers still held $1.35 as minimum. As to seller, quality, and quantity, the range was to $2.

Tolu—The downward movement of prices that started some weeks back continued last week and the market at the close of the period had recorded business done as law as $2.85. As to seller, quality, and quantity, the range was to $4.25.

Barks

Barberry—Root bark was cheaper at 30c. to 35c. per pound, mainly because of the limited size of demand for some time past. Tree bark remained at 40c. to 45c.

Soap—Whole bark was quoted 22c. to 24c. per pound; crushed, 27c. to 29c.; and powdered, 30c. to 35c. Trade was reported routine in character and was supplied from stocks of fair size on the spot.

Wild Cherry—The selling season is virtually over. Manufacturing consumers can very well live off their present warehoused stocks and are unlikely to return to the firsthand markets earlier than the time when new crops become available. A period of steady and probably inert prices was said to spread ahead.

Beans

Vanilla—The shorter business week failed materially to change the purchases of consumers at a volume prevailing in the market in recent weeks. A fair sized jobbing business was done at prices declared to be exceptionally steady on spot and definitely firm in the primary markets.

Berries

Juniper—The item continued to display scarcity of quality goods on spot as the principal cause for a further advance in local quotations. The market ruled at 15c. to 17c. per pound throughout the past week. Quality goods in the primary market were not readily to be obtained.

Gums

Aloe—Cape aloe firmed up; the recent decline in spot prices was shortlived and during the past week whole material was quoted 30c. to 32c. per pound; powder, 38c. to 45c. The wide spread in prices for powder resulted from a difference in sellers' minimum ideas of present prices. Other varieties of aloe lacked quotable change.

Benzoin—Although a considerable difference in quality prevailed with respect to spot stocks, the market was lower at 36c. to 42c. per pound. Some said that at 36c., only gum of a technical character could be supplied. Strictly USP gum, backed with a certificate of analysis, was said to command 42c. with little trouble.

Herbs and Leaves

Buchu—Stocks formerly available as low as 35c. per pound appeared to have gone into consumption. The market last week was higher at 38c. to 40c. per pound, depending on seller and quantity.

Euphorbia—Absence of much price competition among spot sellers, plus present replacement cost, proved sufficient to bring spot quotations to the higher level of 14c. to 15c. per pound during the past week.

Senna—Conditions that not so long ago made Alexandrian senna more valuable property appeared to have abated sufficiently to have permitted local competition to bring half leaf down to the basis of 18c. to 20c. per pound. Siftings were also lower at 16c. to 17c. All prices on other varieties of senna held free from change.

Stramonium—Sales were made at a higher level last week, the business being worked on the basis of 17c. per pound in most instances. As much as 19c. was wanted according to quantity. These prices were said to be warranted with first costs of replacements.

Miscellaneous

Ergot—Less very cheap ergot was offered on spot last week and more offerings appeared on a higher price basis, which was $2.75 to $3.10 per pound. Replacement has firmed considerably. Also, ergot gathered in this country has become less of a market factor than it was a short time back.

Irish Moss—Storms in along the French coast has made collection almost impossible and, consequently, increased values. Also, other origins showed no weakness.

Price Trends

Advanced

Drugs

Aloe, Cape, 2c. per lb.
Buchu leaves, 3c. per lb.
Cohosh root, blue, 2c. per lb.
Ergot, NF, 25c. per lb.
Euphorbia pil herb, 2c. per lb.
Ipecac root, whole, 25c. per lb.
Irish moss, bleached, prime, 5c. per lb.
Juniper berries, 1c. per lb.
Orris root, Florentine, whole, 7c. per lb.
powdered, 7c. per lb.
Verina, whole, 1c. per lb.
powdered, 1c. per lb.
Stramonium leaves, 1c. per lb.
Wormseed, American, 8c. per lb.

Other Articles

Cassia, Batavia, cuttings, ½c. per lb.
Saigon, broken, 1c. per lb.
medium, 1c. per lb.
Cinnamon, Ceylon No. 2, ½c. per lb.
Clove, Zanzibar, 2c. per lb.
Cumin seed, Iranian, ¼c. per lb.
Mace, Siauw No. 1, 4c. per lb.
Pepper, black*, 7c. per lb.
white, 6c. per lb.

Reduced

Drugs

Barberry, root bark, 5c. per lb.
Dandelion root, 5c. per lb.
Doggrass root, imported, 3c. per lb.
Fenugreek seed, Moroccan, ¼c. per lb.
Gum, benzoin, Sumatra, 2c. per lb.
Mullein leaves, 3c. per lb.
Nux vomica, 2c. per lb.
Papain, powdered, 50c. per lb.
Peru balsam, 5c. per lb.
Poke root, 2c. per lb.
Senna leaves, Alex., half leaf, 4c. per lb.
siftings, 2c. per lb.
Tolu balsam, 5c. per lb.

Other Articles

Pepper, red, Mombasa, ½c. per lb.
Turkish, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
106.64	106.99†	106.98	117.81

*Obtained too late for index calculation.
†Revised.

(For Current Prices see page 9)

Imports Detained by FDA

Week Ended Feb. 6
New York

Chamomile flowers, 23 cases: insect infected.
Cortisome acetate, 1 carton: new drug.
Cornsilk, 31 bales: filthy.
Cassia, 4 lots, 268 bales: filthy.
Chillies, 63 bags: filthy.
Fenugreek seed, 2 lots, 100 bags: filthy.
Mace, 5 lots, 91 cases: filthy.
Pepper, black, 4 lots, 112 bags: moldy and insect bored.
Rhubarb root, 58 bags: filthy.

For Late Market Developments, See Page 4

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BELLADONNA, N.F. IX (leaf and root)
BUCHU, N. F. IX
COCILLANA
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GENTIAN, N.F. IX
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Spot prices on prime quality, bleached moss were higher at 30c. to 35c. per pound.

Papain—Local reports said that much of the present spot stock was comparatively lower test merchandise. It was said that such material of African origin could be bought at $6.50 per pound; Ceylon $5.25. But those selling high test stock backed by guaranteed analysis wanted $7 for African and $5.75 for Ceylon goods.

Roots

Aconite—Low test goods were reported available at 50c. per pound but high test merchandise was usually held at 65c. Both quotations were lower than had prevailed of late.

Cohosh—Blue cohosh was reported to be very scarce and spot prices were up. One quarter made whole root 19c. per pound and others said that 22c. to 24c. was warranted. The 19c. price was considered to be exceptionally attractive.

Dandelion—Competition between various qualities of root was noted and the market ranged 40c. to 45c. per pound, which was lower than had been quoted.

Doggrass—Imported material was lower at 25c. to 30c. per pound. Domestic held unchanged at 26c. to 28c.

Ipecac—Some importers said replacement markets were much firmer at moderate advances. Others were not in exact agreement. Averaging different opinion, spot prices on whole root were up to $5.50 to $6 per pound as to seller; powder, $6 to $6.35.

Orris—Stocks were on the low side and considerably higher replacement costs caused local quotations to rise. Florentine root, whole, 27c. to 28c. per pound powder; 32c. to 35c.; Verona, whole, 15c. to 20c.; powder, 20c. to 25c.

Poke—Although the crop was limited in size last year, so has been demand in recent weeks and the result was a lower spot quotation at 20c. to 22c. per pound.

Seeds

Cumin—Most of the cheaper offerings seemed to have disappeared from the market and late last week the minimum quotation was 14½c. to 14¾c. per pound. The other offering was Turkish seed at 14c. to 14¼c., subject to confirmation.

Fenugreek—Although some arriving seed has been detained by the Food and Drug Administration because of filth, the spot quotations on Moroccan seed actually eased last week and they ended the period at 6½c. per pound.

Wormseed—American seed was reported quite scarce and spot quotations were raised last week to the basis of 22c. to 26c. per pound. The 22c. figure was said to be very attractive by quarters whose minimum figure was 24c. It was said that some stock put on this market has been seed exhausted by distillation. This seed originated in Maryland, Carrol County.

Spices

Cassia—Scarcity abounded. Batavia cuttings were higher at 19c. to 19½c. per pound and in Saigons, medium was upped to 56c. in the afloat position, and broken material went up to 51c. Other quotations seemed to have little meaning because of extreme scarcity of China cassia in general.

Cinnamon—No. 2 Ceylon was up a fraction to 25½c. to 26c. per pound but it was not certain that the thus quoted market might not be shaded with firm orders in hand.

Mace—Siauw No. 1 rose sharply to 99c. to $1 per pound and not a great deal was offered. Other varieties of mace lacked change.

Pepper—Because arriving ships were unloaded with greater promptness last week, spot quotations around midweek had dropped to $1.18 to $1.19 per pound for black Malabar as quantities available for immediate delivery increased. Malabar pepper now afloat held at $1.17 to $1.18; February shipment, steady at $1.15; March shipment, up to $1.15 and April was also quoted $1.15. Mombassa chillies were shaded to 43½c. and Turkish chillies were down to 32c. to 34c. Spot white pepper held at $1.44.

Friday quotations on black pepper were as follows:—Malabar, spot, $1.25 per pound; afloats, $1.22 to $1.24; February shipment, $1.21 to $1.22; March shipment, $1.20 to $1.21; and April shipment, no prices.

Wyeth Opens Warehouse For North Central Area

A new warehouse to improve shipping service of drug products to customers in metropolitan Minneapolis, Minn., and St. Paul, Minn., and all or parts of six north central states, has been opened in Minneapolis by Wyeth Laboratories, Philadelphia, according to Stuart V. Smith, vice-president in charge of sales.

The modern, one story structure contains space for the division sales office, branch office and customer account service department. It replaces the Wyeth warehouse in St. Paul. Fred Multaler is division sales manager and R. J. Normile is branch manager.

Sterling Appoints Gibney Trade Relations Director

E. P. Gibney, for twenty-nine years manager of the Chicago branch of Sterling Drug, Inc., has been named the company's director of trade relations for the Midwestern territory.

Associated with Sterling for forty-one years, Mr. Gibney will supervise the recently announced expansion and decentralization of the company's midwest shipping facilities before taking over his new assignment. Thereafter, he will call on drug accounts—in addition to addressing wholesale drug salesmen's meetings and representing Sterling at drug trade conventions.

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Essential Oils, Other Aromatics

Business activity in the essential oils market offered no contradiction to the belief that February is usually a quiet month. Consumer inquiry for some domestic and imported oils was steady but remained generally cautious and buying was limited. A similar situation prevailed in the market for aromatic chemicals, although a report from the midwest indicated considerable more business activity there than in the eastern region.

A sizable drop was effected in the price of carvol as a result of the lower cost of caraway oil. With this oil gradually easing downward in price, its derivative moved toward an easier price and supply position. Benzyl formate was also offered at a lower price. The index took a downward turn, falling off .17 point to stand at 160.81.

Anise oil was offered from one source at a lower quotation, marking the first reduction in the price of this oil during the past eighteen months. With imports of the oil sharply restricted during that time, the oil has become harder to obtain and prices have tended to climb. California expressed orange oil was off slightly from earlier quotations, as supplies of domestic oil continued to flood the market in amounts greatly in excess of current demands. Some improvement in the situation was expected through an increased demand from the beverage industry, in approximately another thirty days.

Florida orange oil quotations moved upward, bringing the week's minimum offer even with that for California oil. Spearmint oil also advanced above earlier quotations, continuing the trend toward firmer prices noted in the past thirty days. Further advances on shipping prices were indicated by a continued active inquiry and a greatly reduced carryover from the 1952 crop. A stronger tone was felt in shipping prices of Spanish lavender spike oil and spot prices moved up accordingly. Some quotations for lavender flower oil were increased, again as a result of firmer views from abroad. With approximately six months remaining before the new lavender crop oil would be offered, a continued strong tone was expected from shippers in France.

Price Trends

Advanced

Oil, lavender flower, USP, French, 30-32% ester, 20c. per lb.
spike, Spanish, 35c. per lb.
Orange, exp., Florida, 15c. per lb.
Spearmint, USP, 5c. per lb.

Reduced

Benzyl formate, 30c. per lb.
Carvol, $1.50 per lb.
Oil, anise, USP, Chinese Star, 35c. per lb.
Orange, exp., California, 5c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
160.81	160.98	163.81	179.60

(*For Current Prices see page 9*)

Essential Oils

Anise—A quotation of $2 per pound from one source represented a drop of 35c. from the earlier low offer. This decline marked the first significant downward movement that the oil has shown in the past eighteen months, a period during which it has become increasingly scarce and has been offered on the market at steadily advancing prices. The current cut in price was reported to be a competitive move, made possible by a slightly easier supply situation. Somewhat larger shipments have reached this country from European ports, it was reported in trade circles. The unfilled demand for the oil that has developed during recent months was not expected to be easily satisfied, however, and considerable activity could be expected in the market if the oil remained in a permanently improved price position.

Bay—A considerably strengthened market was noted during the week and was reported to be the effect of stronger views being taken by shippers. With the oil held up at the source for higher prices, the cost of replacement was expected by observers in the trade to show the effects with firmer quotations shortly. The relatively limited number of concerns handling the oil at the source made the effects felt more quickly, it was reported.

Bergamot—This year's crop has been estimated as between 130 and 140 tons. Although this is smaller than the size of a normal yield, the quality of the oil has been reported as considerably above average as a result of exceptionally good weather during the past summer. During the past week the oil showed no important price variations, and was offered at prices ranging from $11.50 to $14.50 per pound. Not all of this oil was Consortium branded, it was reported.

Cinnamon—A report current in trade circles outlined the present difficulties affecting the market for Seychelles cinnamon leaf oil. It pointed out that the use of the oil in this country has been decreased by the drop in the production of eugenol vanillan and that prices had to reflect this shift in use and also to compete with cinnamon leaf oil Ceylon and with clove leaf oil. Any arbitrary maintenance of a selling price in the Seychelles worked to the disadvantage of the product, according to the report, and eventually worked against those dealing in the oil in this country. A freer market was urged, and it was said that this would offer to the producer in the Seychelles the advantage of a regular outlet for the oil. It would also offer the user the advantage of the lowest feasable prices at all times.

Clove—The oil was offered at prices showing little change from those of previous weeks, $9.50 per pound remaining the market's minimum offer. Some trade sources expressed a belief that the current price level could show a decline in the near future, although there was considerable disagreement on this point and others felt that no decline in price could be effected for a matter of a year or more.

Dillweed—Consumers of dillweed found the supply position of the oil no easier during the past week. The effects of curtailed production have caused considerable difficulty in the past weeks and most trade observers felt that no relief was in sight any sooner than early in the fall, when the new crop arrived. Prices have held steady in a range from $4 up, and were expected to become firmer in coming weeks. Prices were found to be rising in the country, with an upward trend the expected result.

Geranium—Bourbon oil showed no change during the week, earlier quotations maintained without any significant change. A price of $10.85 per pound formed the low edge of the range. Algerian oil was offered from $12 per pound. The situation in regard to this oil was expected to remain easy for the immediate future, with little change in the status of the oil likely. Inquiry was reported as no more than routine for the season.

Lavender—The 30-32% ester oil was found at somewhat advanced quotations from several sources during the week and the minimum quotation was raised 20c. per pound to reach $3.30. Other grades of flower oil were offered at unchanged quotations, the 38-40% oil ranging upward from $5.25 and the 40-42% from $6. Some uncertainty was expressed in the trade as to the future of the oil before the next crop would be available in some six months. A strong possibility was felt to exist that shippers might attempt to strengthen the price structure by holding back some amount of the oil. Spanish spike oil took an upward turn with a price increase of 35c. in the minimum quotation, putting this figure to $1.65 per pound. The increase was explained as the result of increased shipping prices at the origin.

Lemon—Consumers found supplies of domestic oil scarce and in many cases experienced considerable difficulty in obtaining their requirements. Shipments of Italian oil were said to be arriving in fairly small quantities, the amounts being too limited to ease the supply situation in any noticeable degree. Prices for California oil varied from $5.75 to $6 per pound, according to brand. This price range showed no change from that of the previous week, although the recent trend for the oil has been in an upward direction. Most dealers felt that the tight supply position would remain unrelieved for the next six months.

Lemongrass—A firm tone was shown on all offers during the week as prices held recently effected gains. $1.10 per pound represented the week's minimum quotation for spot sales. With replacement costs considerably firmer over the past sixty days, some further increases in spot offers were reported in the trade as a logical result of the current situation.

Orange—Very little change was noted during the week in the domestic orange oil situation. The market continued to be flooded with material which current demand fell short of absorbing. However, prices for Florida oil made a gain of 15c. with the offer of a minimum quotation of

For Late Market Developments, See Page 4

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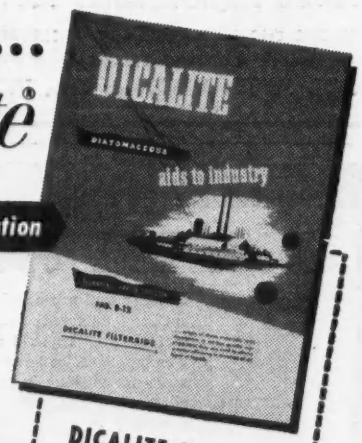

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75c. per pound. California expressed oil ranged from 75c. to $1 per pound, the price differing according to brand. Imported oils held steady, Italian oil ranging upward from $3.90 and West Indian from $2.75 per pound. Considering the oversupply of domestic oil, it was to be expected that demand for imported oil showed no increase during the past week.

Peppermint—The price range for natural and for redistilled oil remained unchanged during the week while a fairly steady demand was noted. Inquiry failed to exceed the amounts of the oil currently available, and presented no difficulty for consumers in filling their requirements. If the present demand continued, most dealers felt that prices would at least hold steady and might be expected to show some increased strength.

Sandalwood—A minimum quotation of $9.75 was maintained during the week, while a quotation of $10.75 represented a higher price at the upper end of the range. Distillation of the oil has continued to produce a sufficient quantity to fill most consumer needs, although some producers have reported finding some difficulty in obtaining logs of the right quality.

Spearmint—An increase of 5c. per pound over the earlier minimum price of $7.95 was effected during the week. The current jump in price was a small one considering the firm position of the oil and the strong trend in replacement costs. The future of the oil was expected by observers in the trade to be in the direction of increased firmness, largely as a result of the limited amounts of non-contract material available. Demand was expected to continue with no discernible slackening, as the need for the oil has received considerable stimulus from the widely increasing use of chlorophyll products.

Sweet Birch—Prices both for northern and for southern oil displayed a firm tone during the week as the winter season produced its usual effect on the trees and yield fell off. Replacement offers for this reason tended to show a good deal of strength. Any price movement in the immediate future was expected in the trade to be in an upward direction.

Thyme—Red oil remained available at the slightly lower price effected earlier and was offered in amounts ample for current inquiry. Interest in both red and white oils was reported to be no more than normal. Technical grade oil was available in amounts as needed and within the previously established price range.

Wormseed—Firmer prices in the country forced some quotations upward during the week, although a previous minimum offer at $8.75 was maintained. The quantities of the oil reaching the market continued to be strictly limited and there was little possibility for an easier situation in the near future, according to trade reports. The position of the oil was expected to be one of increased scarcity with the current price structure firmly maintained.

Ylang-ylang—Prices held steady without changes, but displayed a strong undertone. Some informed sources expected increases in the near future. If these increases should materialize, it was difficult to see exactly how much effect they would have on the market, as many buyers believed that the oil was already priced too high. Current price ranges began with a low of $18 for Bourbon oil and $30 for oil of extra specifications.

Aromatic Chemicals

Anethol—The NF material was available at the recently lowered quotation of $1 per pound. Production has been maintained at levels that put the material on the market in ample quantities for all average demands. The lowered price and easy supply position offered an advantage particularly to users of anise oil who have turned to this substitute because of the difficulty in obtaining oils produced in Communist China.

Benzyl Formate—The material was offered during the week from one manufacturer at a price of $1.30 per pound, this offer being 30c. under the earlier minimum quotation. Other sources quoted prices up to $2.10 per pound. The material was reported in good supply, with production maintained at rates satisfactory to fill current consumer demands without difficulty.

Carvol—A sizable drop was effected during the week when one producer lowered his price to a range of $6.25 to $6.50 per pound, depending upon quantity. Earlier quotations had ranged upward from $7.75 per pound. The current lower prices demonstrated the effect of the weakened position of caraway oil. During the past year the price of this oil has dropped from a minimum of $4 to its current minimum of $2.65 per pound. The gradual easing in prices has put its derivative, carvol, in a freer position both in regard to price and to supply.

Ionones—A steady price structure and easy supplies characterized these and other lemongrass oil derivatives. The alpha compound was priced in a range upward from $3.75 per pound and the beta was offered fro.. $4.30. Methyl ionone prices ranged from $3.85. Producers expected an ample output for the immediate future that would enable consumers to obtain their requirements with little or no difficulty.

Linalyl Acetate—The material derived from bois de rose oil was offered during the week from $5.45 for the 90-92% grade and from $6.05 for the 96-98% grade. With bois de rose oil currently reaching the market in large quaitities and at very much weakened prices, production of its derivatives has been facilitated. The petitgrain derivative was priced from $4.35 per pound, this price representing a recent decline. The market position of the petitgrain material was also advantageous to the consumer, as sufficient material was available for all current inquiry.

Perfumers Society to Hear Dr. Henry C. Wing Wed.

The American Society of Perfumers will hold its next regular monthly dinner-meeting February 18 at 6 p. m. at the Advertising Club in New York. Speaker will be Dr. Henry C. Wing, of the Northam Warren Corporation.

Fragrance Foundation Meets Thurs.

The Fragrance Foundation will hold a luncheon meeting February 19 at the Plaza hotel, New York. There will be a reception at 12 noon, with luncheon following at 12:30 p.m. Speaker will be Mary Bailey, supervisor of consumer research for Richard Hudnut, who will report on consumer reactions to fragrance.

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—Continued from page 63

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67 cs, J Manheimer, Marseille
57 cs, F Huber & Co, Semarang
23 cs, Tangier
WATTLE BARK—516 bgs, Olson Sales Agency, Mombasa
EXTRACT — 5,951 bgs, Barkey Importing Co, Mombasa
WHITING—1,344 bgs, Smith Chemical & Color Co, Hull
WITHERITE—1,000 tons, Judson Sheldon Corp, Middlesbrough
WOLFRAM ORE—100 bgs, Metal Transport Corp, Rotterdam
182 bgs, First National Boston, Leixoes
179 bgs, National City Bank, Leixoes
200 bgs, Lisbon
WOOL GREASE—72 dms, Hudson Shipping Co, Rotterdam
25 dms, Interocean Chemical & Minerals Corp, Rotterdam
33 dms, Lanaetex Products, Genoa
27 dms, Chase National Bank, Melbourne
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532 dms, Chemical Bank, Lisbon
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YLANG YLANG OIL— 4 kgs, Chemical Bank, Havre
ZIRCONIUM CARBONATE—1 bbl, Melberk Inc, Liverpool

Baltimore

FENUGREEKSEED—110 bgs, Toledano & Pinto, Casablanca
LEMON PEEL—11 bbls, Messina
MANGANESE ORE—1,500 tons, Irving Trust Co, Setubal
300 tons, Union Carbide & Carbon Corp, Coquimbo
438 tons, Union Carbide & Carbon Corp, Los Vilos
552 tons, Taisan
ORANGE PEEL—18 bbls, Messina
PEATMOSS—1,000 bls, E J Lang, Bremen

Boston

GLUE—551 bgs, Nicholson & Co, Hamburg
NICKEL CHLORIDE—32 cks, Browning Chemical Corp, Hamburg
PAPRIKA—25 bgs, Alicante
OLIVE OIL—100 dms, National City Bank, Malaga
SAGO FLOUR—326 bgs, American Key Products, Singapore

Houston

BONEMEAL—2,203 bgs, Wessel Duval & Co, Rotterdam
PEATMOSS—500 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
UREA—1,000 bgs, J C Jett, Rotterdam
WHITING—1,000 bgs, N H Weitzner, Antwerp

Los Angeles

AGAR—8 bls, Pan Asiatic Trading Co, Yokohama
AMMONIUM CATALYST—29 dms, Texas Co, Rotterdam
CHLORIDE—400 bgs, C M C Chemicals Inc, Liverpool
BONE BLACK—450 bgs, Frank D Davis Co, Bremen
MEAL—2,205 bgs, H V Nootbaar & Co, Hamburg
CLAY—3,173,072 lbs and 1,500 bgs, Paper Makers Import Co, Fowey
COPRA—500 tons, American Trust Co, Cebu
500 tons, Cebu
COPRA CAKE—100 tons, Bank of Calif, Cebu
CUMIN SEED—250 bgs, Murwal Inc, Rotterdam
DEXTRIN—100 bgs, Stein Hall & Co, Rotterdam
EARTH COLOR—715 bgs, Frank D Davis Co, Rotterdam
IRON OXIDE—448 bgs, Frank D Davis Co, Liverpool
LOCUSTBEAN GUM—20 bgs, E S Browning Co, Manila
PAPRIKA—250 bgs, Hismoco American Co, Hamburg
250 bgs, H M Newhall & Co, Hamburg
PEATMOSS—1,020 bls, John Schumacher Co, Bremen
25 bls, H V Nootbaar & Co, Bremen
500 bls, East Asiatic Co, Bremen
300 bls, Trans Sphere Trading Co, Bremen
QUEBRACHO EXTRACT—1,062 bgs, Tanimex Corp, Buenos Aires
1,430 bgs, River Plate Corp, Buenos Aires
SHARKLIVER OIL—50 dms, Van Camp Sea Food Co, Yokohama
SQUIDMEAL—115 bgs, J D Smith Interocean Inc, Yokohama
SUNFLOWER SEED—400 bgs, Amaren Trading Corp, Rotterdam
TALC—100 bgs, Charles Mathieu Inc, Manila
UREA—4,409 bgs, Atkins Kroll & Co, Rotterdam
VANILLA BEANS—52 cs, Maurice Carasso & Co, Marseilles
WHITING—3,200 bgs, Antwerp

New Orleans

UREA—600 bgs, Credit Suisse, Antwerp
500 bgs, Antwerp
WHITING—4,400 bgs, N H Weitzner, Antwerp

Philadelphia

ANTIMONY OXIDE—205 bgs, C Gitlan, Antwerp
ASBESTOS FIBER—1,600 bgs, Keasby Mattison, Beira
BERYLLIUM ORE—72 tons, Corn Exchange Bank, Beira
1,732 bgs, Bahia
FISHMEAL—4,500 bgs, Walvis Bay
FLUORSPAR—1,225 tons, Chas Kurz Co, Rotterdam
FUEL OIL—101,000 bbls, Esso Export Corp, Aruba
NAPHTHALENE—859 bgs, American Union Transport, Antwerp
PETROLEUM, CRUDE—291,688 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
120,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
197,832 bbls, Lavino Shipping Co, Mena Al Ahmadi
362,595 bbls, Gulf Oil Corp, Mena Al Ahmadi
397,273 bbls, Gulf Oil Corp, Puerto La Cruz
90,571 bbls, Gulf Oil Corp, Las Piedras
QUEBRACHO EXTRACT—3,014 bgs, Interocean Corp, Rotterdam
VANILLA BEANS—11 cs, Corn Exchange Bank, Havre
22 cs, Tradesman National Bank, Havre

San Francisco

ARABIC GUM—14 bgs, Benton Co, Liverpool
ASBESTOS FIBER—2,000 bgs, Lourence Marques
800 bgs, Johns Manville Corp, Lourence Marques
CALCIUM CHLORIDE—200 dms, Light Work Products, Antwerp
FORMATE—375 bgs, C M C Chemicals, Glasgow
CARAWAY SEED—300 bgs, Langendorf Bakeries, Rotterdam
CARDAMOM—10 cs, H M Newhall, Bombay
CASEIN—500 bgs, East Asiatic Co, Buenos Aires
300 bgs, Borden Co, Buenos Aires
CASSIA—750 bls, S L Jones & Co, Hong Kong
CASTOR BEANS—334 bgs, Manta
CHILLIES—60 bgs, M S Cowen, Yokohama
COPRA—500 tons, El Dorado Oil Works, Jose Panganiban
1,050 tons, Cargill Inc, Cebu
1,000 tons, Manila
650 tons, Jalo
500 tons, Hondaqua
CORN STARCH—101 tons, J Guetta, Rotterdam
DERRIS POWDER—260 bgs, Callao
DICALCIUM PHOSPHATE—126 tons, Girard Trust Co, Antwerp
FISHMEAL—769 bgs, W R Grace & Co, Arica
3,261 bgs, Wessel Duval & Co, Chimbote
2,174 bgs, W R Grace & Co, Chimbote
LIVERMEAL—51 tons, Wessel Duval & Co, Rotterdam
MACE—14 cs, Catz American Co, Singaport
12 bgs, Rotterdam
NUTMEGS—121 bgs, Catz American Co, Singapore
53 bgs, H M Newhall, Rotterdam
PEATMOSS—250 bls, Nurserymens Exch, Bremen
500 bls, W R Grace & Co, Bremen
530 bls, Lastreto Phillips Co, Bremen
PEPPER, BLACK—160 bgs, Mincing Trading Corp, Djakarta
80 bgs, Alleppey
PETROLEUM, CRUDE—13,181 tons, Standard Oil Co, Rastanura
POLLACKLIVER OIL—50 dms, J D Smith, Yokohama
WHITING—18 tons, Antwerp
WOOL GREASE—27 dms, S L Abott Co, Liverpool
135 dms, N I Malmstrom, Liverpool

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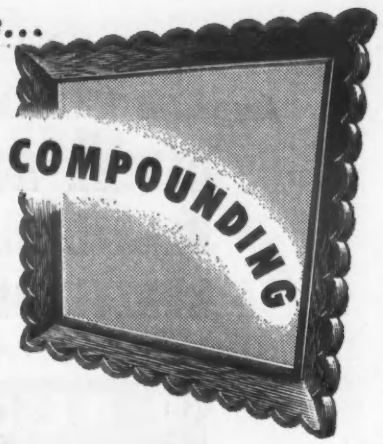

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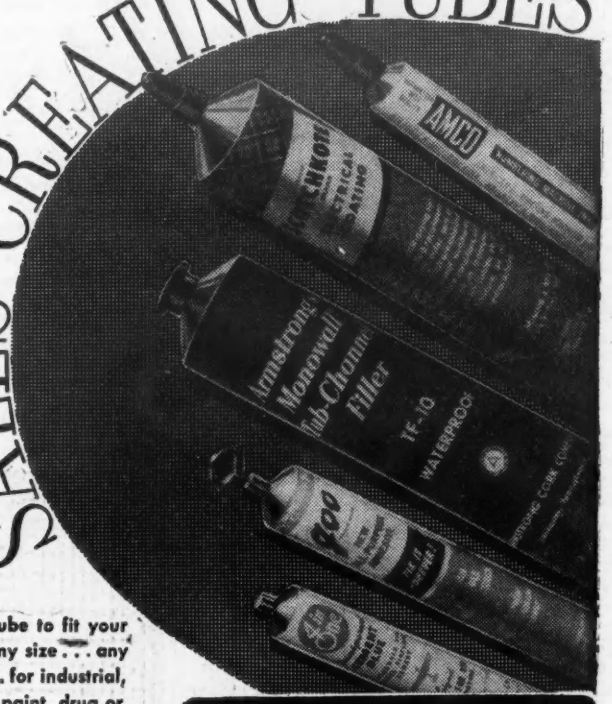

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Protective Coatings Materials

Early in the past week reductions in zinc oxide came about as a result of the softness in zinc and lead metal prices. The reductions affected lead-free, 35 percent leaded, 50 percent leaded, and the white, green, and red seal grades. Reductions in lead pigments followed, which included blue lead sulphate, white lead sulphate, white lead carbonate, and white lead silicate. The reductions in lead sulphate precipitated a further reduction of the leaded grades of zinc oxide. Argentine casein also came down another fraction even though importers said there was a little more activity in the market.

There were no other price changes in lead pigments, the oxides remaining at their old levels since pig lead was steady. The prices of lead sulphide and lead borate were unchanged. Producers said that zinc oxide continued to move well. Supplies were ample enough to take care of consumer requirements.

There has been no letup in demand for synthetic resins. Producers continued to move synthetics along nicely. Industrial applications kept up a constant demand for alkyds. Maleics continued to move in good volume. Continued activity in the furniture business has sustained the market here. Phenolics were going at a good rate. Supplies of most of the phenolics seemed to be all right, except for the consistent shortage of paraphenylphenol derived resins, which fulfilled government needs. There were no price changes reported in the synthetic resins.

Buyers were still taking the gums on a hand-to-mouth basis, but importers said that activity was fair. Demand was moderate but steady. Inquiries for the East Indias and the battus for use in porch, deck, and floor paints were said to be fairly good. There was a steady demand for shellac and business was felt to be fairly good. Prices of orange and bleached grades held firm.

Price Trends

Advanced

None

Reduced

Casein, Argentine, ½c. per lb.
Lead, blue, basic sulphate, ¾c. per lb.
white, basic carbonate, 1¼c. per lb.
basic silicate, ½c.—1¼c. per lb.
basic sulphate, ¾c. per lb.
Zinc oxide, lead-free, ¼c. per lb.
35% leaded, 0.45c. per lb.
50% leaded, ½c. per lb.
French process, com'l green seal, ¼c. per lb.
red seal, ¼c. per lb.
white seal, ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
88.43	88.43	88.44	101.19

(*For Current Prices see page 9*)

Prime Pigments

Black, Carbon—Daily average production and shipments of furnace black in December increased 7 percent and 6 percent, respectively, over November, the Bureau of Mines reports. Production of contact black in December remained steady, while shipments declined 6 percent. November exports decreased slightly.

Daily average production of contact blacks in 1952 decreased 13 percent below 1951 and shipments fell off 24 percent. Furnace black shipments increased by 2 percent. Total stocks increased to an eighty-three-day supply at the end of 1952, compared with a fifty-day supply one year ago.

Following is a table, expressed in pounds, comparing the months of December and November:—

Production

	Furnace	Contact	Total
Dec., 1952	95,509,000	42,931,000	138,440,000
Nov., 1952	86,645,000	41,272,000	127,917,000
Dec., 1951	98,749,000	54,021,000	152,770,000
Jan.-Dec., '52	1,040,498,000	564,098,000	1,604,596,000
Jan.-Dec., '51	1,043,075,000	646,139,000	1,689,214,000

Shipments

	Furnace	Contact	Total
Dec., 1952	97,267,000	35,791,000	133,058,000
Nov., 1952	89,095,000	36,953,000	126,048,000
Dec., 1951	81,614,000	43,420,000	125,034,000
Jan.-Dec., '52	1,001,565,000	451,874,000	1,453,439,000
Jan.-Dec., '51	983,344,000	589,350,000	1,572,694,000

Stocks

	Furnace	Contact	Total
Dec., 1952	120,515,000	234,327,000	354,842,000
Nov., 1952	122,273,000	227,187,000	349,460,000
Dec., 1951	81,582,000	122,103,000	203,685,000
Jan.-Dec., '52	120,515,000	234,327,000	354,842,000
Jan.-Dec., '51	81,582,000	122,103,000	203,685,000

Exports

	Furnace	Contact	Total
Dec., 1952	[1]	[1]	[1]
Nov., 1952	10,482,000	12,024,000	22,506,000
Dec., 1951	13,729,000	20,276,000	34,005,000
Jan.-Nov., '52	111,711,000	157,219,000	268,930,000
Jan.-Nov., '51	137,770,000	[2]261,718,000	[2]399,488,000

[1] Not available.
[2] Revised.

Lead, Blue, Basic Sulphate—The price of this lead pigment was reduced early last week as a result of the downward trend of pig lead. The ¾c. reduction brought current quotations down to 14¾c. per pound in carlots, and 15¾c. per pound in less than carlots.

Lead, White, Basic Carbonate—Schedules for this pigment came down 1¼c. last week. Current quotations were at 15¾c. per pound in carlots, and 16¾c. per pound in less than carlots.

Lead, White, Basic Silicate—Producers reduced the schedules for this pigment from ½c. to 1¼c. per pound last week. The silicate core type pigment became 15c. per pound in carlots, and 16c. per pound in less than carlots. The straight silicate was currently quoted at 17¾c. per pound in carlots, and 18¾c. per pound in less than carlots.

Lead, White, Basic Sulphate—Price reductions of ¾c. in lead sulphates brought this pigment down to 14¾c. per pound in carlots, and 15¾c. per pound in less than carlots. Producers said that softness in the market for lead metal during recent weeks brought about the latest changes in pigments.

Zinc Oxide—The market for this pigment featured two price reductions last week, which added up to a 0.45c. reduction for 35 percent leaded, and a ½c. reduction for 50 percent leaded material. Lead-free zinc oxide came down ¼c. in the first reduction, as did the French process grades, white, green, and red seals.

The first reduction was a result of the weakness of zinc and lead metals in recent weeks. The second reduction of leaded grades came about as the price of lead sulphate dropped. One source incorporated both price declines in one reduction.

Current quotations of lead-free were at 14c. per pound in carlots, and 15c. per pound in less than carlots. The 35 percent leaded material finished the week at 14¼c. per pound for carloads, and 15¼c. per pound in less than carloads. Leaded 50 per cent material was 14.35c. per pound in carlots, and less than carlots were 15.35c. per pound.

Quotations of French process green seal were at 15¾c. per pound in carlots, and 16¾c. per pound in less than carlots. Red seal became 15¼c. per pound in carloads, and 16¼c. per pound in less than carlots. Carload quantities of white seal were at 16¼c. per pound, while less than carloads were 17¼c. per pound.

Synthetic Resins

The following production information comparing November and October output, in pounds, was supplied by the Tariff Commission.

Production

	November	October
Phenolic and other tar acid resins:—		
Laminating resins	6,987,846	7,505,585
Adhesive resins	3,784,693	4,417,861
Protective coating resins, unmodified, modified except by rosin	2,657,675	2,621,854
Urea and melamine resins:		
Adhesive resins	6,569,962	7,419,936
Protective coating resins, straight, modified	2,623,606	2,750,840
Styrene resins:—		
Protective coating resins, straight, modified	31,269,859	30,948,460
Alkyd resins for protective coatings:—		
Phthalic anhydride types:		
Unmodified	18,890,303	23,029,175
Modified with tar acids, rosin and/or other materials	6,287,236	8,093,053
Polybasic acid types (except phthalic):—		
Unmodified	608,010	1,370,043
Modified with tar acids rosin and/or other materials	839,887	991,443
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified (ester gums, etc.):—		
Esterified with glycerol	1,755,254	1,621,987
Esterified with other alcohols	2,646,523	2,227,704
Rosin, rosin esters, modified:—		
Modifications with phenolic and other tar acid condensates	1,236,672	1,389,092
Modifications with maleic and fumaric acids	2,313,230	2,586,022
All other modifications	962,057	814,411
Coumarone-indene and petroleum polymer resins	15,479,194	16,427,065
Miscellaneous synthetic plastic and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester, silicone and other resins)	1,797,452	1,708,167

Alkyds—Demand for these resins has held up to a very good level. Producers were moving their alkyd production just about as fast as they could make it. Consumer requirements of these synthetics for industrial finishes, protective enamels, and flat wall vehicles have kept alkyds

For Late Market Developments, See Page 4

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moving quite well for the past several months. The good movement of automobiles and home appliances were expected to keep this market going strong for a while. Prices have remained at their previously established levels.

Maleics—There has been no significant change in this market. Demand has been good enough to sustain the activity at a high level. Supplies were adequate for the immediate needs of consumers. No price changes were reported for these synthetics.

Phenolics—There has been no change in the market for these synthetics. Producers were moving their output right along. Supplies of most phenolics were said to be adequate for current consumer needs. The particular sore spot in phenolic supplies has been in paraphenylphenolics. These resins have long been in tight supply, largely due to heavy government use. No price changes were reported in phenolic resins.

Miscellaneous Materials

Casein—Although importers said that there was a little more buying activity in the market, the price of Argentine material came down ½c. on both sides of the range previously quoted. Current quotations for Argentine casein were between 16¼c. and 17c. per pound last week.

It was said that the price situation in the market for imported material was confused. Some of the lower prices were reported to be created by efforts of new suppliers and resellers attempting to get into the business now that there are no import quota restrictions on the material. Importers who have been in the business right along have to meet the new competition, although each sale means a loss for every pound sold, it was said. Then, there were some sources who were selling at lower prices because they believed the market would go down, a source added. Another importer stated that there was a strong feeling in the Argentine that the market was likely to change overnight. One of the few healthy signs was seen in the fact that the mills showed a little more interest in buying casein. There was a small amount of buying ahead, a source said.

Synthetic Adhesives — The following consumption information, expressed in pounds on a dry basis, is related to the hardwood plywood industry and comes from the Bureau of Census.

Consumption

	Third Quarter 1952	Second Quarter 1952	Third Quarter 1951*
Phenolic resin glues.	381,000	350,000	696,000
Urea resin glues...	10,713,000	11,282,000	8,966,000
Soy bean glues....	1,535,000	1,155,000	1,544,000
Tapioca glues.....	735,000	703,000	935,000
Other waterproof glues	234,000	310,000	234,000
Other moisture resistant glues.....	176,000	328,000	153,000
Other dry bond glues	1,283,000	1,374,000	913,000
Total, all types...	15,057,000	15,302,000	13,441,000

* Revised.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
K	...	7.45*	7.51*‡	...	7.90*
M	7.45*	7.48*	7.51*‡	...	7.47*
N	...	...	...	...	7.50*
WG	7.83*	7.83*	7.76*‡	...	...
WW, X.....	7.84*‡	7.90*	7.87*	7.86*	7.86*
Sales, USDA	371*	465*	673*	500*	615*

New York
(per 100 lbs., c.l., Friday)
B—N $8.70, WG $8.80, WG $6.90.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.536†	...	...	...	.535†
Sales	24.000§	...	...	...	8.000§

*Drums. †Tankcars. ‡Bags. §Gallons.

Natural Resins

The market for gums has not shown any particular change. Importers said that demand has not started to show the seasonal pickup in the paint business which was due to make an appearance soon. Activity was said to be at a fairly modest rate. An expansion in activity was anticipated when the paint industry really gets going, it was said.

One source reported that there were more inquiries for the East Indias and the battus for use in floor, deck, and porch paint. It was added that the Indias, blacked scraped, and battus give such paints better "scuffability."

Supplies of most of the natural gums were adequate for current consumer requirements. Importers felt that they could never be really sure that their stocks would be adequate when buying starts on a higher scale because the present buying for immediate use gives no indication of future needs. Prices were fairly steady for most of the gums. The price of number one Singapore was showing tendencies towards higher prices. It was said that replacement costs were now 1c. higher. But the current range of 35c. to 38c. per pound was still the market level.

Shellac—Importers said that this market has seen a steady level of activity. The material has been moving along fairly well. "Demand was consistent," a source said. Price schedules of the orange and bleached grades have held to their previously established limits. No particular changes were anticipated at this time.

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Rubberset Vice-President

Dr. William F. Talbot has been named vice-president of the Rubberset Company, Newark, N. J. Dr. Talbot is in charge of Rubberset's plastic products division at Salisbury, Md., and directs the research and development program of the company. Prior to joining Rubberset, a subsidiary of Bristol-Myers Company, early last year, he served the Chemical Corps as principal civilian scientist at Dugway Proving Ground, Tooele, Utah.

Aluminum Power Contract Approved by Interior Dept.

Secretary of the Interior Douglas McKay last week announced approval of a power contract between the Bonneville Power Administration and the Harvey Machine Company, Los Angeles, Calif., for the operation of an aluminum plant which will be established in the vicinity of The Dalles, Ore. Construction of a new plant in the Pacific Northwest was certified as necessary to national security by the Defense Production Administration in December (OPD, 1/5/53).

Harvey will assume steam costs to the full extent of the firm power supply it receives, should abnormally low water conditions occur during storage seasons through 1956-57. This provision of the contract will protect existing power consumers from any excessive steam costs incurred as a result of the Harvey power load during power shortage years.

Delivery of power to the new plant is scheduled to begin early in 1955 and includes 40,000 kilowatts of firm and 80,000 kilowatts of interruptible power, subject to steam costs. When sufficient new generation becomes available 20,000 kilowatts of interruptible will be placed on a firm basis. The contract is contingent on scheduled completion of the plant by May 1, 1955.

Glidden Establishes New Finishes Center in Virginia

Opening of a complete new industrial finishes service center and warehouse at Collinsville, Va., has been announced by the Glidden Company, Cleveland, Ohio.

Featuring technical and color styling aid and a laboratory for the development and testing of special finishes, the new center will also provide warehousing facilities for Glidden customers throughout the North Carolina-Virginia manufacturing region. C. P. O'Connell and M. P. Roske will be the center's sales representatives. L. V. White will be in charge of customer service, while color styling and designing services will be handled by E. C. Green.

Standard-Toch Chemicals Names Torrace Comptroller

William G. Torrace has been appointed comptroller of Standard-Toch Chemicals, Inc., Staten Island, N. Y. For the past fifteen years Mr. Torrace was a member of the manager's staff of S. D. Leidsdorf & Co., New York and prior to that he was assistant treasurer of the Schwerin Air Conditioning Corporation.

Nat'l Lead Ups Woodard

E. S. Woodard has been appointed purchasing agent for the Atlantic branch of National Lead Company, New York, replacing J. W. Beresford, who has retired because of ill health. Mr. Woodard began his National Lead career as a clerk in the purchasing department in 1936. He was named assistant purchasing agent for the Atlantic branch in 1951.

Paint Course at Case Set to Open March 30

A second short course in the fundamentals of "Paint as an Engineering Material" is to be sponsored by the department of chemistry and chemical engineering of the Case Institute of Technology, Cleveland, Ohio, March 30 through April 1.

The general topics to be considered are:—Metal protection in severely corrosive environments; special problems of paint application, including factors which influence the adhesion of organic coatings and the causes and remedies of other paint application faults; and the testing of organic coatings, including the design and interpretation of experiments for field or service testing, and accelerated laboratory tests for prediction of service properties of coatings.

Trade Briefs

The University of Texas college of pharmacy has appointed Dr. William R. Lloyd assistant dean.

General Electric Company has appointed Haines V. Reichel supervisor of customer service for the laminated and insulating products department.

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US Revenue Returns Increased During Dec.

Collections of internal revenue during December, 1952, totaled $4,367,900,259.45, as compared with $4,106,137,599.50 in the corresponding month of 1951, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	December 1952	December 1951
Coconut and other vegetable oils, processed	$2,316,708.25	$1,168,263.40
Distilled spirits, domestic, excise tax	120,542,642.64	108,395,266.61
Distilled spirits, imported, excise tax	25,930,340.78	20,794,857.10
Gasoline	76,365,885.01	53,149,390.23
Lubricating oils	6,939,113.17	6,103,023.42
Matches	766,504.79	780,271.66
Narcotics, including marihuana and special taxes	70,955.74	48,903.03
Silver bullion sales or transfers, stamp tax	2,870.26	3,130.87
Sugar	7,811,766.01	6,294,015.58
Toilet preparations, excise tax	10,432,117.23	8,974,245.99
Transportation of oil by pipeline	[1]435,109.44	1,530,816.50

[1] On Form 7095 for July an amount of $2,892,750 reported under "Transportation of oil by pipeline" should have been reported under "Tires and tubes." In November an amount of $93,577.80 reported under "Transportation of oil by pipeline" should have been reported under "Transportation of persons, seats, and berths."

Rohm & Haas Offering New Vinyl Plasticizer

Rohm & Haas Company, Philadelphia, has developed a new polymeric vinyl plasticizer. Called "Paraplez G-53," the product is said to offer high resistance to extraction by such materials as oils, gasoline, hot soapy water and detergents; to have little tendency to migrate, and to possess good processing and milling qualities. In addition, the new plasticizer is said to be available at a moderate price.

"Paraplex G-53" is recommended by Rohm & Haas for the following types of applications:—Vinyl refrigerator gaskets, tapes, high-temperature resistant insulations, baby wear, hospital sheeting, upholstery stocks, hose and tubing. Its physical properties are given as:—Color (Gardner varnish scale), 8 maximum, acid number, 2.0 maximum; viscosity (Gardner-Holdt scale, 25C), Z_1-Z_3; specific gravity (25 C), 1.1015, and solidification temperature, approximately 10 C.

CSMA Meeting Wednesday

The Chemical Specialties Manufacturers Association will hold a luncheon Wednesday in the Roosevelt hotel, New York, at which Henry E. Blanchford, representing the American Bleached Shellac Manufacturers Association, will be the guest speaker. A get-together will be held at noon and luncheon will follow at 12:30.

Pittsburgh Plate Has New Enamel

The manufacture of a new, one-coat, easy-to-apply satin finish enamel that requires no primer, that washes as easily as a baked enamel finish and that may be used on pratically any surface, has been announced by the Pittsburgh Plate Glass Company, Pittsburgh, Pa. The new product, to be known as "Satinhide Enamel," will be offered in sixteen colors and white.

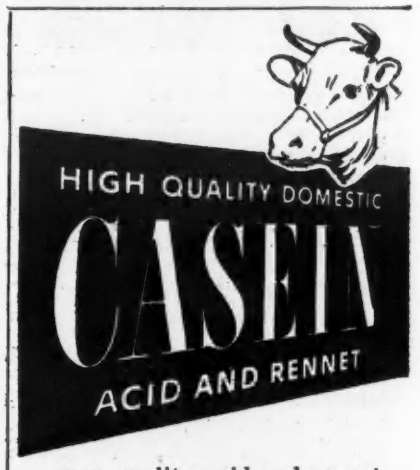
Phila. Paint Technicians Slate Ladies' Night Fri.

The Philadelphia Paint and Varnish Production Club will hold a Ladies Night gathering February 20 at the Warwick hotel, Philadelphia. The affair will get under way at 6:30 p. m. There will be dinner and dancing. Price per plate is $6.

Trade Briefs

Walter J. Tardiff has been appointed general manager of the Canada Paint Company.

Synthane Corporation, Oaks, Pa., has appointed Robert S. McCroadie sales engineer.



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Witco Sales Director

Max A. Minnig, vice-president and national sales manager or rubber chemicals for Witco Chemical Company, New York, has been appointed director of sales for the company. Mr. Minnig joined Witco in 1946 in the natural gas division, carbon black operations. William Wishnick has been made assistant to Mr. Minnig.

Pitts. Plate Research Posts To Fix, Dennison, Archer

Three top administrative promotions at the Pittsburgh Plate Glass Company's research laboratories, Creighton, Pa., have been announced by Richard B. Tucker, executive vice-president.

E. Lester Fix, associated with the glass division's research operations since 1928, has been appointed associate director of research. He will be responsible for the general administrative direction of laboratory operations. Brooks J. Dennison has been appointed assistant director of research. He will be principally concerned with general laboratory activities, in which field he will work closely with the associate director. Also appointed assistant director of research is Dr. James E. Archer, who will assume direction of the expanded program of fundamental research.

Amer.-Marietta Names 2 To Board, Ups Walker

The American-Marietta Company, Chicago, has announced that V. Muir Rogers and Leigh R. Gignilliat, jr., have become members of the board of directors. At the same time, the company announced that Harry N. Walker, vice-president in charge of procurement, has been appointed to a new executive position in Cleveland, Ohio, as a staff assistant to Kenneth E. Clarke, who heads both American-Marietta's Ferbert-Schorndorfer Division and the Arco Company.

Mr. Rogers, vice-president in charge of industrial sales, has been with American-Marietta since 1939. Mr. Gignilliat is vice-president of the American National Bank & Trust Company, Chicago.

Paint Production Federation Sets 2 Committee Meetings

The executive and finance committees of the Federation of Paint and Varnish Production Clubs will hold their first meetings of the year at the Cleveland hotel, Cleveland, Ohio, on February 20 and 21. The finance committee will meet on the 20th and the executive committee on the following day. All committee members attending these meetings will be present at the regular meeting of the production club on February 20. The finance committee will prepare the annual budget and will submit it to the executive committee for approval.

Cleveland Paint Club Plans Dinner Dance February 27

The Cleveland Paint, Varnish and Production Club will hold a dinner dance February 27 at the University Club in that city. The affair will get under way at 6:30 p. m. and continue to 1:30 a. m. Dress is optional. Carl Perley and his orchestra will provide the music for dancing. Price is $12.50 per couple.

Goodrich Adds Wigal

V. F. Wigal has joined the plastic group of the B. F. Goodrich Chemical Company, Cleveland, Ohio, as a technical service representative serving the calendering industry on film and sheeting applications, according to G. A. Fowles, sales manager for plastics materials.

Britain to Return Tallow Importing to Private Hands

Government buying of edible tallow, technical tallow and primer jus in the United Kingdom from overseas sources is to end shortly and private imports will be resumed, according to the American Embassy, London. The Ministry of Food has been the sole importer of these commodities since 1939.

The arrangements under which private imports may be resumed will be explained to the trade as soon as possible. Prospective importers were asked not to enter into commitments to purchase until a further announcement has been made by the British Board of Trade.

Pitman-Moore Ups Sims

Wallace S. Sims has been named by K. F. Valentine, president of Pitman-Moore Company, Indianapolis, Ind., to direct the firm's public relations activities. Mr. Sims has been with the company since 1938, at which time he became a medical service representative in Toledo and northwestern Ohio. In addition to his public activities, he will continue in charge of customer service.

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Oils, Fats and Waxes

The feature of the oils and fats market last week was the rally in the soybean and flaxseed markets, which stiffened linseed, soybean and competing oils. Soybean oil regained an early loss and closed steadier. Trading in all oils was limited and spotty. Crude cottonseed oil was easy, while corn and peanut oils remained steady and unchanged. Coconut oil broke sharply on the Pacific Coast and New York, with cheaper copra, which declined $15 per ton.

The tone of the linseed oil market was steadier, reflecting the rally of flaxseed and the low cost of meal. Buying interest improved for tung oil. Trading was more active and some sellers were asking slightly higher prices for prompt delivery. Recent decline of dehydrated castor oil did not improve demand. No. 1 Brazilian castor oil continued weak, declining fractionally. Refined fish oil was quiet, but steady.

Tallow and greases developed an easier tone and the better grades were slightly lower, while low grades were without change. Trading was restricted to small lots as large users remained on the side lines. Other animal oils were inactive and more or less nominal. Oleo oil was lower, with trading at ½ cent less. Lard was up fractionally, rallying with grains and improved export demand.

Carnauba wax was quiet and easy, especially No. 3 refined, which was reduced within 1 cent of No. 3 crude by some sellers. Consuming demand continued slow. No. 1 yellow was unchanged and well held. Refined ouricury was weaker and dropped 3 cents per pound.

Office of Price Stabilization last week lifted price controls on soaps, cleansers, detergents, and all fats and oils, except oleomargarine.

Price Trends

Advanced

Lard, ½c. per lb.
Oil, olive, 10c. per lb.
Tung, ½c. to ¼c. per lb.

Reduced

Copra, $15 per ton.
Grease, choice white, ½c. per lb.
Oil, castor No. 1, Brazilian, ½c. per lb.
Coconut, crude, Pac. coast, 1¼c. per lb.
N. Y., 1c. per lb.
Cottonseed, crude, ½c. per lb.
ref., ½c. per lb.
Oleo, ½c. per lb.
Soybean meal, $1 per ton.
Tallow, extra, ¼c. per lb.
fancy, ½c. per lb.
special, ½c. per lb.
Wax, carnauba, No. 3, ref., 2c. to 3c. per lb.
Ouricury, 3c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Feb. 15, 1952
103.12	103.44	106.85	115.84

Vegetable Oils

Castor Dehydrated—Withdrawals against contracts moved in good volume, while new business was slow. Prices were steady at the recent decline of 1c. per pound. Bodied was quoted at 30.1c. per pound and unbodied, 28.60 per pound, tankcars. Brazilian oil was easier and No. 1 was quoted at 23½c. per pound, tankcars, New York.

Coconut—Crude oil was off sharply and sold at 15⅝c. per pound, tankcars, Pacific coast for February shipment. The New York market was lower at 16¾c. tankcars for February.

Copra—Shipments were easy, declining $15 per ton. Trading was reported at $210 per ton, c.i.f. Pacific coast.

Corn—Crude was lower, with crude sales at 13⅜c. per pound, tankcars, f.o.b., mills, off ⅛c. Refined oil was sold at 16¾c. per pound, tankcars, New York delivery.

Cottonseed—Weakness of grains early in the week was reflected in bleachable cottonseed futures and quotations dropped fractionally under moderate liquidation. Later market was steadier with allied markets on reports that the government would reduce the volume of corn sales and losses were partially regained. Government offers to sell cotton linters created some easiness in the trade concerning the government oil selling policy and a committee of members of the local trade went to Washington last week to seek definite information as to the disposition of cottonseed oil held by the government. Consuming demand for refined oil continued inactive. Tankcars were off ⅛c. with crude and were offered at 13⅝c. per pound, New York for prompt delivery.

Crude oil was unsteady and slightly lower. Prices were merely nominal at 13⅞c. per pound, tankcars, Southeast and Valley and 13½c. to 13⅝c., Texas.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the period ended Feb. 13 follow:—

	Sales	High	Low	Close
		Cents per pound		
March	236	16.40	16.15	16.28S
May	282	16.15	15.86	16.03S
July	237	15.80	15.48	15.63S
September	17	15.27	15.09	15.09S
October	18	14.86	14.65	14.65@14.75
December	9	14.50	14.45	14.20@14.50

Total sales, 599 contracts.

Memphis — Crude cottonseed nominal at 13⅞c. per pound tankcars, f.o.b. mills. Market barely steady. Crude soybean oil also nominal at 12¼c. tankcars, Decatur. Soybean meal demand slightly better. Cottonseed meal quiet and fairly steady.

Linseed—Firmer flaxseed market created a steadier tone in linseed oil. Raw oil was quotably unchanged at 14.5c. per pound, tankcars, f.o.b. Minneapolis and 15.75c. tankcars, New York delivery. Low cost of linseed meal helped to maintain prices. Trading was light, and confined to drum lots for immediate needs. Withdrawal of oil against contracts continued fairly active, while interest in later requirements was inactive.

Minneapolis — There was no change in the linseed oil market, with buying at a standstill as crushers were unwilling to offer oil at lower prices due to the extremely weak linseed meal market. Crushers held the price of raw linseed oil nominally steady at 14.5c. per pound, in tankcars, f.o.b., Minneapolis. Actually, the market was difficult to quote as various segments of trade had different price ideas. Shipping directions against old contracts held up fairly well.

Shipments of linseed oil, in pounds, were as follows:—

	1952-53	1951-52
Past week	7,060,000	8,320,000
Since Sept. 1	176,720,000	188,640,000

Flaxseed—Prices rallied after dropping to new seasonal lows.

Minneapolis — Flaxseed prices suffered another sharp break the past week, displaying rallying tendencies only after hitting new seasonal lows. At one time the March futures contract went as low as $3.76 a bushel, delivered, Minneapolis. There was considerable switching from the March delivery to May during the week. In the cash market, prices reflected the liquidation and easiness of futures. Some No. 1 cash flaxseed sold as low as $3.78, before rebounding to $3.83½. Offerings of cash flaxseed continued light during holiday-shortened week. Crushers and other buyers purchased only 16 cars and in excess of 18,000 bushels of flaxseed in the spot cash market. On a to-arrive basis, they booked 46 cars and 16,000 bushels in trucklots. Actual marketings of seed (spot, to-arrive and for CCC account) totaled 56 cars, compared to 86 cars the previous week and 170 cars in the same week last year. Of interest to the trade was the report by the PMA that there were 3,548,000 bushels of flaxseed under government support as of Jan. 15, 1953. With the market way below loan level, trade observers said it looks as if producers will be defaulting on their loans.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1952-53	1951-52	1952-53	1951-52
Past week	93,200	348,500	8,500	275,400
Since Sept. 1	12,007,800	17,897,000	1,866,950	3,385,200

Oiticica—This market was dull and featureless. Refined was offered at 25c. per pound, tankcars, New York, prompt delivery, but could be shaded ¼c. in some quarters. Drums were unchanged at 26¼c. to 26¾c. per pound, depending upon quantity.

Olive—Supplies on spot were in firm hands and maintained at $2.60 to $2.65 per gallon, drums, duty paid, depending upon seller and quantity. Buying interest was quite active. Olive foots were quoted nominally at 15c. to 15½c. per pound, drums, as to quantity.

Palm—Buying interest was limited to small lots on spot. Drums ranged from 12.4c. to 14c. per pound, depending upon quantity. Shipments were quoted at 11c. per pound, tankcars, New York delivery.

Palm Kernel—Business was quiet. Tankcars were steady and quoted at 16c. per pound, New York in bond.

Peanut—Crude oil was steady with additional trading at 22¾c. per pound, tankcars, f.o.b. mills. Refined oil was unchanged at 26½c. per pound, tankcars, New York basis.

Rapeseed—Refined oil was steadier at 16½c. to 16¾c. per pound, tankcars, New York, prompt delivery. Trading was light.

Soybean—This market rallied with higher beans and regained early losses. Trading was light. Crude oil was quoted at 12⅜c. per pound, tankcars, f.o.b. mills. February shipment and March at 12¼c. and April-June 11⅞c., same basis. Refined salad oil was quoted at 15c. per pound, tankcars, New York delivery.

For Late Market Developments, See Page 4

The high cost of soybeans and low prices for oil and meal has cut production materially as processors were operating at a loss. A number of small processors have shut down plants while most large producers operated below capacity. Supplies of oil and meal, however, were adequate to meet current demand.

Sales and prices of prime soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the period ended Feb. 13 follow:—

	Sales	Cents per pound—High	Low	Close
March	18	12.00	11.85	12.03@12.10
May	51	11.84	11.53	11.83S
July	57	11.72	11.35	11.60@11.65
September	1	11.09	11.09	11.09S
October	2	10.80	10.80	10.80@10.95

Total sales, 120 contracts.

Tung—Trading was fairly active for dealer account and the market presented a steadier tone. Sales were reported at 29½c. per pound, tankcars, prompt delivery, New York, with ⅛c. more asked. Offerings from the South were generally held at 28¼c. per pound, tankcars, f.o.b. mills.

Fats and Greases

Greases—This market was unsettled and choice white was reported sold at ⅛c. less. Other grades were unchanged, but none too steady as demand was light and offerings freer. Prices were more or less nominal. Choice white was quoted at 4⅝c. per pound, delivered; yellow, 4c.; house, 3⅜c. and brown, 3⅛c., same basis.

Lard—Futures stiffened with other commodities and the allocation of $4,000,000 for lard purchases for Germany, Austria and Yugoslavia. Cash lard was higher at 9.3c. per pound, tierces, Chicago.

Tallow—Better grades were easier and sales of fancy, extra and special were reported at ⅛c. lower. Other grades were unchanged. Market was unsteady, due to light demand and increased offerings. Fancy was quoted at 4⅜c. per pound, tankcars, delivered; extra, 4¾c.; special, 4¼c. and No. 1, 4c., same basis.

Animal Oils

Lower tallow and grease market created an easier tone in grease and tallow oils. Prices were nominal and unchanged and could have shaded for sizable lots. Demand was confined to small lots. Neatsfoot oil was unchanged and steady. Oleo oil was in good export demand while domestic business was slow. Extra ranged from 10½c. to 11c. per pound, drums, as to quantity. Oleo stearine was maintained at 6¾c. per pound, barrels, with trading reported thereat.

Fish Oils

Cod—Replacements of tanked oil remained steady at 8c. to 8½c. per pound, drums, c.i.f. New York for prompt shipment. Stocks on the spot were held at 9½d. to 10c. per pound, drums, according to quantity.

Refined Fish—Prices were unchanged and steady. Demand was fair. Light pressed oil was held at 10½c. per pound, tankcars, New York, and alkali refined at 11½c., same basis. Crude menhaden oil was quoted at 7½c. per pound, tankcars, Baltimore, and 6½c., Gulf ports.

Los Angeles—Market was extremely quiet. Production of tuna oil has been light with quotations nominal at 6¼c. per pound, f.o.b. San Pedro. Landings of mackerel have dwindled considerable with last sales at 7.125c. per pound, tankcars, f.o.b. San Pedro. Offerings of Alaskan herring oil were scarce with supplies light, quoted 7½c. per pound, f.o.b. Seattle.

Fatty Acids

Trading in fatty acids was fairly active, though consumers limited purchases to immediate needs. Deliveries against former orders were in steady request. Red oil and stearic acid were quotably unchanged. Demand for vegetable oils fatty acids was spotty, with quotations maintained at former levels.

Cake and Meal

Cottonseed Meal—The continued weak markets for protein meals has almost cut off the few buyers of small lots of cottonseed meal. Mills continued to tender their production to the government at ceiling prices. A few scattered resale lots of 41 percent sacked meal was available at $78 per ton, basis Mississippi Valley points, $84 Georgia and $85 South Carolina, immediate shipment. Meal 36 percent was available at $5 per ton less.

Linseed Meal—This market continued weak. Buying was inactive.

Minneapolis — Extreme weakness continued to plague the linseed meal market again the past week. Extracted (new process) linseed meal was quoted at $71 to $73 a ton, bulk, in carlots, f.o.b., Minneapolis, while expeller (old process) meal was quoted at $73 to $77 a ton, nominal. Crushers reported interest very dull, reflecting the current weakness in all fats and oils. Another crusher closed down

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for operations, making it two plants during the past fortnight — one extracted and one expeller plant. Shipping directions against old contracts provided the only activity in the market.

Shipments of linseed meal, in pounds, were as follows:—

	1952-53	1951-52
Past week	8,520,000	8,760,000
Since Sept. 1	220,180,000	304,380,000

Peanut Feed—Very small production of peanut feed in the southeast was consumed locally at prices around $83 per ton for 45 percent old process in Georgia and $78 for 45 percent solvent in Alabama and Florida. Demand was slow.

Soybean Meal—Feed manufacturers continued to use more soybean meal in relation to other proteins, but the general feed demand was not sufficient to use up the present-day crushing capacity. Bulk, meal 44 percent was available at $64 per ton bulk Decatur, February shipment. Mills are not anxious sellers for March forward but on the other hand, buyers are not enthusiastic about purchasing forward. Southeastern production 44 percent bulk was quoted at $66 per ton Mississippi Valley, $67 Tennessee, $70 Alabama, plus $5 for sacks, February shipment.

Waxes

Beeswax—Trading lacked snap. Prices were maintained at current levels for all grades. Crude African was fairly steady and unchanged. Refined grades moved in fair volume for immediate needs.

Carnauba—Business was slow. Prices were unsteady and more or less nominal. No. 3 crude was quoted at $1.02 to $1.03 per pound and refined declined to $1.03 to $1.06 per pound, depending upon quantity and seller. No. 1 yellow Ceara remained steady at $1.33 to $1.35 per pound and No. 2 at $1.31 to $1.33 per pound as to quantity.

Ouricury—Market was easy and lower. Refined was offered freely at 72c. to 74c. per pound, according to quantity.

OPS Makes Sweeping Move

—*Continued from page 3*

and roof cements; artists' oils and water colors; enamels and top dressings. These commidities are covered by SR 6 to CPR 22.

Sales of Closures

Sales of metal caps used as screw, lug, vacuum and friction closures for commercial glass containers; metal home canning closures, including one-piece metal screw caps and two-piece closures consisting of a metal screw-band and a cap with flowed-on-rubber seal; crown closures which are metallic caps produced by punch press operations, from one-quarter pound steel tinplate or one-half pound black sheet steel, containing a gas tight cork liner; and all "extras" supplied by the manufacturer of the cap or closure, such as lithography, printing, coloring, coating and packaging.

Sales of empty glass containers manufactured for use in the commercial packing, packaging, bottling or similar accommodation of products such as foods, drugs, household and industrial products, chemicals, toiletries and cosmetics, and alcoholic and non-alcoholic beverages; and empty glass containers manufactured for use in home canning; and glass prescription ware.

Metal Scrap

Sales of all metal scrap, including iron and steel scrap, and secondary non-ferrous metals. Secondary non-ferrous metals means any refined metal or alloy, other than iron and steel, in the production of which 25 percent or more of the metal is non-ferrous scrap.

All sales of fats and oils, including shortening, lards, salad oils, salad dressings and mayonnaise, excluding oleomargarine, except such sales in the territories and possessions; all soaps, cleansers and detergents. These items are covered in CPR 6 (fats and oils) and CPR 10 (soaps, etc.).

Petroleum products regulations which have been revoked are:—CPR 13 (petroleum products at retail); CPR 17 (gasolines, naphthas, fuel oils and liquid petroleum gases, natural gas, petroleum gas, casinghead gas and refinery gas, with the exception of No. 2 heating oil); CPR 32 (crude petroleum); CPR 63 (lubricating oils, greases, waxes and certain other petroleum products); CPR 66 (asphalt and asphalt products).

Metals Orders Revoked

The tailored regulations relating to metals and minerals which have been revoked are:—SR 48 to the GCPR (remelt zinc); CPR 29 (nickel, monel and stainless steel scrap and other scrap material containing nickel and chrome); SR 7 to CPR 30 (industrial diamonds); CPR 43 (zinc scrap); CPR 46 (copper scrap and copper alloy scrap); CPR 47 (brass mill scrap); CPR 53 (lead scrap, secondary lead and antimonial lead); CPR 54 (aluminum scrap and secondary aluminum); CPR 96 (antimony metal, antimony oxide and sodium antimonate); CPR 136 (platinum and platinum products except jewelry).

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50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.
1—6-gal. Nickel autoclave, 1,500# T.P., agitated.
1—2½ gal. Stainless Steel Reactor Tank with agitator.
4—Aluminum Reaction Kettles, Jktd. and Agit., 35, 60, 100 & 250 gal.
1—Stainless Steel T316 Packed Column, 2' dia. x 6'9" H.
6—Stainless Steel Heat Exchangers, 400, 330, 190, 40 & 8½ sq. ft.
1—Ball & Jewell #1½ Rotary Cutter, stainless steel.
3—Mikro Pulverizers #1-SH, #2-S1, #2-TH.
2—Bird 48" dia. Suspended Centrifugals Stainless Steel Perforated Basket, Plow, Bottom Discharge, 15 H. P. motor.
1—Fletcher 30" Jr. Centrifugal T304 S.S., solid basket.
4—DeLaval Centrifugal Oil Purifiers, models 600, 74-11 and 94-01.

PERRY EQUIPMENT CORP.
1407 N. SIXTH STREET · PHILADELPHIA 22, PA.

STAINLESS STEEL EQUIPMENT FABRICATED TO ORDER— SPIRAL MIXERS - CODED VESSELS TANKS, ETC.

SPECIALS

1—Tolhurst 48" S. S. Center Slung Centrifuge.
2—Bird 48" S.S. Sus. Style Centrifuges.
1—Buflovak 6' Jack. & Vac. Crystallizer.
1—Devine 13 Shelf-Vac. Dryer 40"x43".
1—Stokes 130 Vac. 6 Shelf Dryer 24"x36".
1—Sweetland #12 Filter 72 Leaves.
2—Wd. P. & F. 18" Filter Presses.
5—S.S. Ag. Kettles 100 to 950 gals.
3—S.S. Jack. Kettles. Ag., 300 gals.
2—Sperry 36" C.I. Presses, Hyd. Closures.
16—Stainless Tanks, 240 gals. to 5700 gals.
3—Dopp C.I. Kettles, 60, 250 & 650 gals.
4—Mikro Pulverizers-Bantam SH to 2 TH.
1—Rotex Screen 40"x120", Motor Drive.
3—Alum. 27" & 36" Bubble Cap Columns.
2—Erie City 200 H.P. Economic Boilers, 150# W.P.
3—Horiz. Steel Tanks to 20,000 gals.

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The Machinery and Equipment Corp.
533 WEST BROADWAY
New York 12, N. Y. GRamercy 5-6680

FOR SALE

Pebble Mills: 5 gal. to 250 gal.
Pulverizers: Micro SH, 1S1, 2TH.
3-roll Mills: Day 12x32" and 16x40".
Powder Mixer: Day, 66 cu. ft., jktd.
Clarifiers: Sharples Vaportite st. steel.
Centrifugals: 26" and 30" Tolhurst.
Mixer: Read dbl. arm, 380 gal., st. steel.
Disintegrator: Rietz 40 hp.
Clarifiers: De Laval 84-S1, motor dr.
Filter: Oliver 3'x4', Everdur. con.
Vacuum Pan: Mojonnier 26" stainless steel.
Press: Davenport 3-A, Durimet con.
Mill: 12x24" Farrel-Birmingham, 25 hp.
Dryer: American 42x120" double drum.
Vacuum Pan: Stokes 25 gal. st. steel, jacktd.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
Colloid Mills: Premier, Charlotte—st. steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

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1925 W North Ave. Chicago 22, Ill.

ECH OFFERS UNUSUAL BUYS

E—Elmco 8'x8' Vacuum Filter, complete Unit.
Q—Quimby Pumps 1½" Wedge Type Double Shaft.
U—Unscrambling Table, Island 22"x6' long.
I—Intensive Simpson Mixer SS Size "O" Style M.
P—Pony Mixers, Ross Mammouth 40 gal. Cap.
M—Mills Patterson Jktd 6'x16' Manganese Lined.
E—Evaporators Steel & Copper 350 to 5000 Gals.
N—Nash Hytor Pump Model L6 Like New.
T—Tablet Machines, Stokes RD4 Complete Unit.
C—Centrifugal Extractor SS Fletcher 40" 7½ HP.
L—Louisville Rotary Dryer 6'x30' & 6'x50'.
E—Elector, Steam Two Stage 8" Type B32.
A—Autoclave Steel 6'x20' Agtd. & Jktd. 20 HP.
R—Reactor 30 Gal. 347 SS Jktd., Agtd., Condenser.
I—Imp mill Raymond 6"x18" Chamber.
N—New Steel & SS Ribbon Blenders, All Sizes.
G—Groen SS Jktd. & Agtd. Kettles, all Sizes.
H—Hersey Rotary Driers, 1½'x16'—4'x30'—3'x24'.
O—Orville Simpson Sifters 20"x48" & 40"x84".
U—United Oliver Filter 8'x12' & 3'x12" Face.
S—Sparkler Filters Model 33-D-17 & 14-8-7.
E—Evaporators Buflovak & Swenson 1 to 4 Effect.
I—Injection Molding, All Makes, ½ to 80 oz.
N—New & Used Tanks, Kettles, Reactors, Mixers.
C—Comminuting Mills, SS Fitzpatrick 5 & 7½ HP.

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Mills: Lehman 5 roll water cooled 12x32.
Paint Mixers: O&T, Kestner & Hecht, Day.
Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#.
Dough Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
Labelers: spot, can—auto. semi.
Baker Perkins Mixers, style VIH, jktd., tilting, 100 gal. working capacity.

Highest class reconditioning—done in our own shops. We also purchase entire plants or single items.

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EQUIPMENT for CHEMICAL AND ALLIED INDUSTRIES

1—Feinc Stainless Steel Rotary Vacuum Filter, 5' x 3'.

1—Bird 24" Monel Screen Type Centrifugal Filter.
2—Oliver Rotary Vacuum Filters, 5'3" x 6'.
1—Oliver Rotary Steel Filter, 3' x 1'.
2—Shriver 24" x 24" Cast Iron, Closed Delivery Filter Presses, 3 Eye, 23 Chambers Each.
4—Sperry Stainless Steel Filter Presses, 12" x 12", Closed Delivery, 10 Chambers Each.
1—Sperry Aluminum Plate & Frame Filter Press, 42" x 42", Closed Delivery, 3" Frames, 35 Chambers.
1—Shriver Stainless Steel Filter Press, 24" x 24," Closed Delivery, 10 Chambers.
3—Shriver 24" x 24" Aluminum Plate & Frame Filter Presses, Closed Delivery, 35 Chambers Each.
1—Vulcan Rotary Kiln, 7' x 120'.
1—Tolhurst Center Slung Centrifuge, 36" Perforated Steel Basket with Explosion Proof Motor.
1—Sharples Stainless Steel Super D Canter, Model PN-14.

1—Oliver Homogenous Lead Filter, 8' x 8'.

1—J. H. Day Jacketed Powder Mixer, 5000 lbs. Center Discharge.
12—Simpson #0 Intensive Mixers "Unused."
1—Readco Stainless Steel Jacketed Double Arm Mixer, Sigma Blades, 225 Gals.
1—Mikro #2TH Pulverizer, Stainless Steel & Bronze Construction, with motor.
1—Patterson Stainless Steel Autoclave, 200 Gals. Cap. with Stainless Steel Turbo Agitator, 225 PSI internal pressure.
1—Alco Stainless Steel Heat Exchanger, 60 sq. ft.
1—Struthers Wells Hastelloy B Heat Exchanger, 450 sq. ft. Unused.
1—Combustion Engineer Stainless Steel Jacketed Autoclave, 500 gal. cap., 300 PSI internal pressure.
1—Fletcher Stainless Steel Suspended Type Centrifuge 40" Perforated Basket.
1—J. H. Day Stainless Steel Jacketed Mixer, Sigma Blades, 12 gals.

R. GELB & SONS, INC.
UNION, N. J. Est. 1886 Unionville 2-4900

EMC

HERE'S A RICH MINE of Desirable Equipment

2 Bird Rubber Cov. 48" Susp. Centrifugals; 2—40 H.P. motors.
Bird 12" Rub. Cov. Centrifugal.
S.S. Bird Young Rot. Vac. Filters, 4' x 4' complete.
Shriver 36" Rubber Covered Filter Press; 34 chambers.
Croll Reynolds MONEL Vacuum Evaporator; jet evactor.
Louisville MONEL Dryer, 38" x 16'.
Rot. Vac. Dryer; 52" x 102"; compl.
Lancaster Mixer; EAG 4; complete.
Baker Perkins type MIXERS; all sizes.
Double Ribbon Dry Mixers; up to 3000 lbs.
STAINLESS Kettles and Tanks in stock.
Ransome Rot. Drum Mixer; 9' x 11'6".
Stainless Drum Mixer, 5' x 5'.
Multiclone Dust Collector; 6' x 12'.
Ambrose Aut. Can Filler.
Karl Kiefer Visco Filler.
Patterson Jacketed Ball Mill, porex lined; 60" x 42".
International Pebble Mills, porc. lined; 8' x 8'; 50 HP.
Large Stock of Filter Presses.
Day 12" x 32" Hi Speed Roll Mill.
Change Can Mixers, all sizes.
French Oil Hydraulic Presses.
Hvy. Duty, Dbl. arm Mixers; all sizes.
Dryers, Cabinet and Continuous types.
Dopp 650 gal. Jktd. Agtd. Kettles.
Sharples, DeLavel Clarifiers.
Extensive Stock of Paint, Oil, Varnish, Ink, Color Equipment.
What Do You Need?
Stainless FLASH Tank, 8' x 6'.
200 gal. S.S. Jkt. Pasteurizer.
Pfaudler Jktd. Agtd. 300 gal. Pasteurizing Kettles.
Pfaudler 400 gal. Jktd. Reactor.
Single and Multiple Effect Evaporators; Steel, Copper.
2 Vac. Chamber Dryers; 40" x 42" 20 shelf with all accessories.
2 S.S. Drum Dryers, 5' x 10' compl.
Hammer Mills by Williams, Gump, Raymond, Mikro, Jay Bee, etc.
Oliver 6' x 3' Nickel Rot. Vac. Filter.
Sweetland Filters; No. 2 to No. 12.
S.S. Bubble Cap Column; 8⅝" x 19'.
Copper Bubble Cap Column; 18" x 12'.

FRED R. FIRSTENBERG, Pres.

FIRST MACHINERY CORP.
157 Hudson Street
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MIXER LANCASTER, 300 & 2000#.

KETTLES—Alum. 275 gal. Jacket/agit.

HAMMER MILLS—Wms. LGI, Reg. #1, GA30, Mikro 3TH, w/motors.

LAB. JAR MILLS—NEW. 4 30x33.

STAINLESS TANKS—12, agitated, 1700 gal.

SCREENS—Tyler, 3x5, 4x10, Selectro 18x48, 1-2-3 deck.

FILTER PRESSES—24", 30", 36", 42". Some closed & washing.

JAW CRUSHERS — 8x14, 9x15, 18x36.

FILTERS—Sweetland #10, #12.

MOTOR PUMPS—New to 650 gpm.

DUST COLLECTOR—Dracco Automatic, 1080 sq. ft.

TANKS—Storage to 15000 gal.

LAWLER COMPANY

LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

SPECIAL
Vallez Filter 41 Stainless covered 44½" dia. leaves.

DRYERS AND KILNS

Devine #12 Vac. Shelf Dryer, 40"x42".
2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer, 24"x20".
Gehnrich Gas Fired Dryer, 12 trays, 21"x32"
6—Steam, gas & elect. Dryers.
8—Rotary Dryers. Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES

8—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges, 2 HP. Also No. 6.
3—De Laval Multi Clarifiers. 300 & 301.

FILTERS

1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18", 24", 30", & 36" iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS

2—Pfaudler 500 gal. vert. Glass Lined Tanks.
Dopp 350 gal. agit. Jack. C. I. Vac. Kettle.
Devine 36" dia. Impregnating Unit; Jacketed. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
600 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal. Lead lined Kettle.
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks. 50 to 500 gals.
4—Steel welded horiz. Tanks, 10,000 & 5,000 gals.
Copper Varnish Kettles. 150 to 300 gals.

PULVERIZERS AND MILLS

2—Abbe Pebble Mills, 24"x33". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

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Baker Perkins double arm Mixers, 100, 50 & 9 gals. Also single arm Mixers.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 15 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, to 150 gals.

MISC. AND SPECIALS

2—Buffalo 6' dia. Vac. crystallizers.
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ⅛ to 3/8".
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers.
Filling Machines, liquid paste, powder.
Elgin Capper, ½ H.P. Motor driven.
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Soap Machinery for Toilet, Laundry, etc.
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5—Stokes & O. G. Kelly stainless steel jacketed & agitated vacuum reactors—100, 150, 225 & 500 gal.

1—Complete automatic liquid packaging line — Kiefer stainless steel vacuum filler, Capom 4 head capper, Pneumatic Scale duplex labeler, Reddington cartoning unit, Knapp 429 shipping case gluer & sealer.

1—Farquhar 15 HP package boiler, ASME, like new.

3—Beaird Challenger horizontal direct heat driers, 4' x 40', 3 gas, 2 oil fired.

1—Sharples stainless steel Super-D-Canter, 10 HP XP motor.

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#316 Stainless Steel Tanks, new, 100, 200 & 300 gal.
1—Stainless Tank #436 Chrome, vert., 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—J. H. Day Steam Jacketed 50 gal. Sigma Blade Mixer.
1—Copper Evaporator, steam jacketed, 6'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 100 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam Jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & 7½ H.P. Motor.
1—Sweetland Filter No. 3—13 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters 25"—open del.
4—Tanks 100,000 gals. each.
1—Shriver 18" Aluminum Filter 9-plates, 8-frames.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.

SPECIALS:
Mead Mill #2 with 7½ H.P. totally enclosed motor & Drawer Feeder—like new.
Davenport Rotary Steam Tube Dryer, 6'x36', complete with Drive & Press—latest model.
Abbe Pebble & Tube Mill, 5'x22'—Burr-Stone Lined.

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Immediately Available

AUTOCLAVE
2,000 gal., 200 PSI.

BLOWERS
1200 CFM @ 58.7 lbs., SS, w/10 HP turbine.
10,000 CFM @ 1.9 SP Everdur Blades (5).
74,000 CFM @ 10" Sturtevant #1000.
(Send for our complete listing of blowers.)

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24" Bird, type CH, SS.
40" Fletcher, type 304 SS.

DIGESTERS
3900 gal. jack'd., agit. ASME 75 PSI.

DRYERS—MISC
30"x8' Stokes, Model 39AB, vacuum, rotary.
5'x6', Blaw-Knox, Drum, atmospheric.
24"x28' Proctor & Schwartz Conveyor.

FILTERS
8'x12' Feinc, rotary, vacuum.
8'x10' & 11'6"x18', Oliver.
No. 7 Sweetland, 172 sq. ft., 41 taps.
36" Shriver, C.I., 36 chambers.
12" Sperry, aluminum, 10 chambers.

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5740 sq. ft. Vogt, chrome-moly tubes.
1024 sq. ft. 8 pass, steel tubes & shell.
400 sq. ft., 2 pass, Admiralty tubes (NEW).

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7'x160'x⅜" (2).
7'x120'x⅜".
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502-20 Roto-Louvre.
4'x60'x½".
4'6"x40'x⅜" Traylor.

MIXERS
2190 cu. ft. Johnson, paddle type.
140 cu. ft., double shaft, paddle (NEW).
77 cu. ft. Blystone, heavy duty (2).

PIPE & FITTINGS
We have in stock a large quantity of Karbate, Haveg & Type 430 SS.

REACTORS—ACID GLASS
400 gal. Pfaudler, ASME.
500 gal. Pfaudler, ASME.

STILLS
600 gal. 57"x8' copper, shell 25 PSI, jacket 100 PSI.
1500 gal. 66"x10'x1" cast iron.

STORAGE TANKS
3400 gal. 7'4"x10'x⅜" type 430 SS.
4100 gal. 5'x28'x¼".
6000 gal. 8'x15'x⅜" vert. ALUMINUM.
6500 gal. TANK CAR TANKS, 76"x28'.
8500 gal. 8'x23'x5/16" vert. (NEW).
12,000 gal. 8'x32'x¼" (NEW).
15,000 gal. 10'6"x23'x¼" (NEW).
135,000 gal. 30'x26' w/coils.

(We have facilities for building of new tanks. Send us your inquiries.)

PRESSURE VESSELS
1050 gal. 4'x12'x½" 106 PSI.
1200 gal. 42"x16'x5/16" ASME 125 PSI.
1250 gal. 4'x14' 106 PSI.
8200 gal. 8'x23'x2" 390 PSI (4).
16,000 gal. 96"x45'x¾" ASME 150 PSI.
30,000 gal. 10'x47' ASME 50 PSI.

Phone or Write for complete descriptions, prints and prices. Ask for our current catalog. Send us your surplus equipment lists

Heat and Power Co., inc.

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Machinery & Equipment Merchants

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4—OLIVER PRECOAT FILTERS

- 2—5'4"x8', with two slurry tanks, receiver, pumps, motors, drives, etc.
- 1—3'x6' vapor-tite explosion proof fitted.
- 1—8'x10' with receiver, vacuum pump, motors, etc.

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MACHINERY AND EQUIPMENT CO.
514 BRYANT STREET SAN FRANCISCO 7, CALIF.

FOR SALE

2—Motor Driven #251 Mikro Pulverizers. Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 300 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Homo Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 3-6693-4

FMC

An Open Letter

REPRINTED FROM

CHEMICAL ENGINEERING

FEBRUARY, 1953

What About Old Equipment?

Sir:

Hemingway's story of "The Old Man and the Sea"—story of a great effort that results in heartrending frustration — impressed me greatly. As a fisherman I can understand the old man's utter dejection when he learns he has nothing but a skeleton, a carcass stripped of its value, as reward for all his effort.

And as an equipment man with 35 years experience in the business, it struck me that there is a striking anology between Hemingway's fisherman and the way many large industrial firms handle the disposal of their surplus equipment—carcasses taking up valuable space, rusting away, useless to others eager to put them to good use. Why?

Some companies set up salvage departments to transfer idle equipment within their organization. But the receiving department often turns it down rather than pay its book value or a charge that's usually out of line with its depreciated value. Besides, freight and handling costs are expensive items for bulky or heavy equipment that must be shipped to a distant plant. But in most cases, there simply is no individual with the authority and responsibility to dispose of surplus equipment in a profitable way . . . .

The problem is tough and calls for specialized knowledge of the equipment field. But the solution is simple: Call in a reputable used equipment dealer and use him as a consultant to determine whether you should (1) sell directly to the next user, (2) sell indirectly through the help of the dealer, or (3) sell directly to the dealer himself.

This is the type of specialized consulting service that the half-century old used machinery industry is well equipped to do . . . and has been rendering to the nation's equipment-using industries since the turn of the century.

Those equipment "dead fish" and carcasses cluttering up your plant are needed by industry and should be put to use. Only then can you convert useless assets into cold cash . . . .

FRED R. FIRSTENBERG
President
First Machinery Corp.
New York 13, N. Y.

Practical advice here on how to cash in on your surplus used equipment. And it's timely, too, for inventory time is here.—ED.

FIRST MACHINERY CORP.
157 Hudson Street
New York 13, N. Y.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less: 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

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Well established concern will sell secret formulae of paint vehicles and coatings, which are considered still the best in the field, after twenty years of producing. Should prove an attractive addition to any paint company. Write to OPD 757.

EQUIPMENT OFFERED

1-Vacuum Filling Jacketed Tank, approximately 30" Diameter x 65" high on legs, equipped with hinged cover, welded steel construction, fabricated under U-69 ASME Code, located in Philadelphia. Drawing showing construction details can be furnished to interested party. OPD 762.

Stokes High Vacuum Pumps 212C, unused, water-cooled, 100 cfm; V-drive. Satisfaction guaranteed. Only a few left Price very reasonable, inspect American Sales Co., 198-11 Hollis Avenue, Hollis 12 N Y. HOllis 5-2900.

EQUIPMENT WANTED

Wanted Laboratory three roller Mill size 4x8 with explosion proof motor—good condition. Three Roller Mill size 9"x24" High Speed with explosion proof motor—good condition. One Pony Mixer size 20 gal. with explosion proof motor. OPD 758.

Unjacketed nickel or Monel Reaction Vessel. Approx. 5' diameter and 6' deep. ⅜" minimum wall and bottom thickness. No cover necessary. Thompson Chemicals Corporation, 3028 Locust, St. Louis 3, Mo.

Wanted—Send us your list of surplus or idle machinery. Interested in large capacity dry & wet Mixers, Rotary and batch Dryers, Pulverizers, all kinds of Jacketed Kettles, Distilling apparatus, Filling and Packaging Units, Stainless steel and non-corrosive Tanks and Vessels. For 36 years we have been buying from single items to complete Plants—Consolidated Products Co., Inc., 13-18 Park Row, New York 38, N. Y.

Chemical Machinery wanted for replacement project Can use several pressure vessels, centrifuges, rotary and vacuum dryers, filter presses, a continuous filter, chill roll dryer, steel and stainless steel tanks, mixing equipment packaging and wrapping units. Do you know of an assembled unit or operating plant? Please advise. OPD 737.

EQUIPMENT WANTED

Chemical Equipment wanted for defense plant work including autoclave centrifuges, dryers, filters, kettles, mixers, pulverizers and tanks. Also interested in set-up plants, now operating or idle. Give full particulars in first letter for consideration. OPD 735.

FACILITIES OFFERED

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Nat'l Research Council Endorses Pretesting

—Continued from page 3

sidered on an economic basis, but he thought a first approach should be from the standpoint of public health protection.

2. The Food and Drug Administration should be given a reasonable time in which to make its findings, either sixty, ninety or 180 days from the date of filing of an application for permission to use a new chemical in foods.

3. There should be the right of appeal from the findings, either to a panel of experts, to the courts, or to both.

4. The burden of proof should be on the manufacturer or user to show that the chemical is safe as used.

Mr. Miller asked the group whether there was any disagreement with his view that public health should be the first consideration. There was no response.

Time Limit on FDA Findings

The congressman next took up the matter of a time limit on the FDA's findings. Charles W. Crawford, commissioner of the FDA, pointed out that the new drug section of the law allows a sixty-day period with the right of extension to 180 days, and said that this appears to have worked satisfactorily. Several in the audience agreed that a sixty-day limitation might work a hardship on the agency.

Mr. Miller's suggestion that a panel of experts be set up to assist FDA in passing on applications met with opposition by several bakers' industry representatives, who complained that it would only mean another "layer of authority" for the applicant to deal with. This would seem to be unnecessary, it was stated, since it could be assumed that the agency would not make a decision without consulting experts.

Mr. Crawford explained that there is no provision for an advisory group in the new drug section of the law and added that FDA does make it a practice of consulting with research workers in the particular field of research involved in the new drug application. He emphasized that the agency is in continuous contact with the research work going on in the new drugs field.

Appealing FDA Decisions

As to the question of appeals from the FDA's decisions, Mr. Crawford said that there is provision in existing law now for appeals to the courts on new drug application actions, but in the fifteen or sixteen years that the law has been in effect there has been only one case where a ruling was appealed to the court. On the other hand, he added, there have been some 6,000 or 7,000 new drug applications filed over that period.

It was pointed out from the audience, however, that the court appeals are limited to the lawfulness of the action and do not include a review of the evidence on which the decision was based. Mr. Crawford insisted, however, that the entire record is laid before the court and the court can review it as to whether the administrator acted arbitrarily or capriciously.

With respect to the matter of burden of proof, some question was raised as to whether this should fall on the manufacturer of the chemical additive or on the user. The general opinion was that it would not be necessary to spell this out in the bill because it would be reasonable to expect that the person having the greatest interest in the product would carry the burden of proof.

FSA Authority in Delaney Bills

During a discussion on whether control of chemical additives should be considered on economic as well as health grounds, an industry representative pointed out that one of the chief complaints against the two bills being sponsored by Rep. James J. Delaney of New York, is that they give the Federal Security Administrator authority to deny the right to use a chemical if he finds that it is "not required." Mr. Crawford explained that the present law rules out all poisons not required in the processing of a food.

On the general subject of permitting the use of chemical additives not required in a food, Mr. Crawford remarked that there has been some question raised in certain quarters whether the law should stop at prohibiting the use of poisonous and deleterious substances, or go on to the question of impairment of the nutritional value of the product. He expressed no opinion on the matter, however, and it was not discussed further.

Industry representatives told Mr. Miller that he would encounter his first big problem in writing the legislation in attempting to find a satisfactory definition of a chemical additive. None of the representatives would accept the congressman's invitation to write the definition, but it was suggested that he seek assistance from the National Research Council. He indicated that he would adopt the suggestion.

Large-Scale Tests Necessary

In its statement on the basic considerations that should be given to the marketing of a new pesticide, the NRC's food protection committee conceded that complete knowledge of many factors pertaining to pesticide usage, performance and ultimate safety can be developed only through actual use in large-scale performance tests. Hence, any system proposed for regulating the distribution of new materials should provide for their orderly release with recognized steps between strictly controlled small-plot experiments and large-scale commercial operations, it was stated.

"Only a portion of the desired data can be obtained through observations on usage on non-food crops," the statement said. "Therefore, progress would be greatly enhanced by large-scale experimental or otherwise provisional use of a promising material on a nominal percentage of a given crop as soon as residue and subacute or preliminary chronic toxicity data establish its safety beyond a reasonable doubt.

Chronic Toxicity Question

"Since chronic toxicity largely pertains to a continuous intake of marginal quantities of a chemical over long periods of time, the possible temporary occurrence of such a residue on a nominal percentage of a crop would create no undue hazard. If, however, residues greatly in excess of the anticipated or safe level were encountered in large-scale or semi-commercial treatments, the product in question should be withheld from the market and not used for human or animal foods.

"The proposed procedure would permit the earlier safe development of a pesticide because voluminous data not otherwise obtainable could then be accumulated during the period in which final detailed toxicological studies are being conducted to develop more precise chronic toxicity data on which ultimate safe residue levels for the crop as a whole could be based."

Carnauba Wax Production Estimated at 12,350 Tons

The 1952-53 carnauba wax crop in Brazil is now estimated by local trade sources at around 12,350 short tons, about the same as last season, according to the American Consulate, Fortaleza. Some producers have declared that the yield, especially from the second cutting, has been reduced somewhat due to a fewer number of fronds per palm available for cutting.

It is claimed that this is a cumulative effect on the severe drought experienced in 1951 and the partial drought which existed in certain sections in 1952. Nevertheless, due to the favorable cruzeiro prices being offered and to some improvement in production methods, the present crop, as estimated, compares favorably with previous crops.

The market is presently firm but with quotations f.ob. Fortaleza still somewhat less than the floor prices established by the Brazilian government in May, 1952, in its financing and purchasing program. The program has resulted in very large quantities of wax being withdrawn from the export market. According to the report the big question still is the effect on the market in the future when an effort is made to liquidate these holdings.

Another major question is whether or not carnauba wax might at some time be included among those commodities which could be sold under the free exchange market as established by law No. 1807 passed by the Brazilian congress December 15, 1952, and promulgated January 7, 1953. There is as yet no indication, official or otherwise, as to the eventual disposition which may be taken with regard to the marketing of carnauba wax.

House Group to Resume US Agency Hearings Tues.

The house interstate and foreign commerce committee plans to resume its hearings tomorrow on the various agencies of government which come within the legislative jurisdiction of the committee. The purpose is to acquaint the new members of congress with the problems of these agencies and to enable the members of the committee to meet the new officials of these agencies personally.

At tomorrow's hearings, testimony will be received from officials of the oil and gas division of the Department of the Interior, the Mutual Security Agency, and the Petroleum Administration for Defense. On February 18, officials of the Federal Power Commission will testify.

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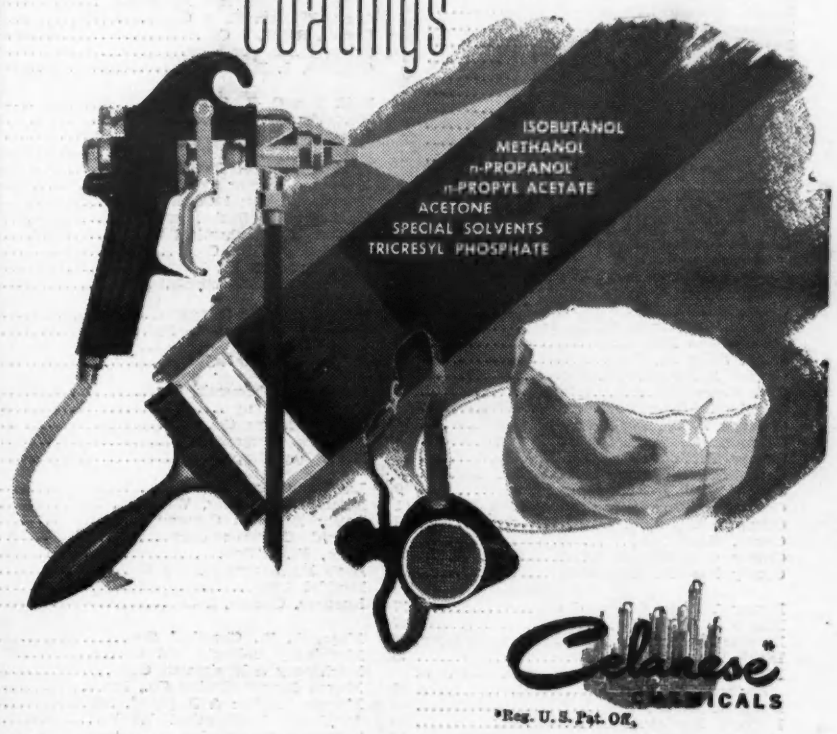

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